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Farmer Cooperative Statistics, 1988



ABSTRACT

FARMER COOPERATIVE STATISTICS, 1988, by Ralph M. Richardson, Celestine C. Adams, Katherine C. DeVille, Charles A. Kraenzle, Jacqueline E. Penn, and John W. Stutzman, Statistics and Technical Services Staff, Agricultural Cooperative Service, U.S. Department of Agriculture, Post Office Box 96576, Washington, DC 20090-6576, ACS Service Report 26, December 1989.

A survey of U.S. farmer cooperatives for calendar year 1988 showed an increase in business volume, net income, and assets compared to 1987. Gross business and net business volumes are reported for 4,937 cooperatives. Business volume, number of cooperatives, and cooperative memberships are reported by commodity for those cooperatives classified as marketing, farm supply, and service. Cooperative growth trends show changes in cooperative numbers, memberships, business size, and sales volume. Data on balance sheet and net income and selected activities of other service organizations are reported.

Keywords: cooperatives, statistics, business volume, memberships, balance sheet, net income.

ACS Service Report 26, December 1989.

PREFACE

Farmer cooperative statistics are collected annually to provide information on the progress and trends in cooperatives' growth and development. Many people use these statistics for various purposes such as research, technical assistance, education, planning, and public policy. Acquiring, analyzing, and disseminating farmer cooperative statistics are authorized by the Cooperative Marketing Act of 1926.

This report provides aggregate information on the number, membership, and business volume of farmer cooperatives classified by commodity and functional type. Both gross (includes intercooperative business) and net (excludes intercooperative business) dollar volumes of cooperatives are reported.

Basic information is provided on the balance sheet and net income of farmer cooperatives by principal product marketed and major functional type.

Statistics for 1988 were compiled only on a national basis. Data by State are developed every other year. Therefore, to include information by State in this report, 1987 numbers are reported.

Data are collected from individual farmer cooperatives by mail survey of organizations identified by Agricultural Cooperative Service (ACS) as meeting the requirements of the ACS definition of a farmer cooperative.

A combination of census and sampling procedures was employed to reduce the work of collecting and assembling data, to reduce respondent burden, and to enable more timely publishing of statistics.

Beginning in 1989, a census of all farmer cooperatives will be conducted every year, but only basic information will be requested from the smaller cooperatives. A census will be taken because of the reduced number of cooperatives and the difficulty of accurately expanding data for some of the commodities handled by cooperatives.

ACS depends on the cooperative community's response to its annual survey to develop a detailed and comprehensive set of statistics on farmer cooperatives. The time and effort taken to provide information and the rapidity with which it is furnished are greatly appreciated.

Appreciation is extended to Richelle D. Glascoe for assisting with the survey and to John H. Wells for helping prepare figures.

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HIGHLIGHTS

The 1988 survey of marketing, farm supply, and selected service cooperatives showed an increase in business volume, net income, assets, and liabilities, no change in net worth, and a decline in memberships and number of organizations.

Farmer cooperatives' net income was nearly \$1,680 million, a 13 percent increase from the \$1,486 million in 1987. The \$1,680 million included intercooperative dividends and refunds of \$148 million--up 134.9 percent from \$63 million.

Total gross business volume (including intercooperative business) handled by cooperatives amounted to \$82.1 billion, up 9.9 percent from \$74.7 billion in 1987.

Total net business, excluding business done between cooperatives, amounted to \$66.4 billion, up 10.1 percent from the \$60.3 billion in 1987.

The total number of cooperatives dropped from 5,109 to 4,937, a net decrease of 172 associations. Each year, new cooperatives are formed and others disappear as they go out of business due to consolidation, merger, acquisition, or unsuccessful operations.

Cooperative memberships of 4,195,511 were down 5.5 percent from 4,439,999 in 1987.

The gross value of farm products marketed by cooperatives amounted to \$56.2 billion, an increase of 11.7 percent from \$50.3 billion. Net value of these farm products, after eliminating duplication from intercooperative business, amounted to \$49.1 billion, a 11.1 percent increase from \$44.2 billion.

Gross value of farm supplies handled by farmer cooperatives amounted to \$24.0 billion, up 6.5 percent from \$22.5 billion. Net value of these supplies, after eliminating intercooperative business, amounted to \$15.4 billion, an increase of 8.1 percent from \$14.3 billion.

Receipts for selected services related to marketing farm products and handling farm supplies amounted to \$1.94 billion, an increase of 2.5 percent from \$1.89 billion.

Combined assets for all farmer cooperatives totaled \$29.3 billion, up 5.9 percent from the \$27.6 billion. Net assets, after eliminating intercooperative investments, were \$26.5 billion, up 6.9 percent from \$24.8 billion.

Total liabilities were \$16.5 billion, up 11.1 percent from \$14.8 billion.

Net worth, or member and patron equity, remained at \$12.8 billion. Member and patron equity financed 43.8 percent of total assets, down from 46.4 percent.

Highlights Capsule

	<u>1987</u>	<u>1988</u>
Number of cooperatives	5,109	4,937
Memberships	4,439,999	4,195,511
Business volume (mil. dol.)	60,318	66,430
Net margins (mil. dol.)	1,486	1,680
Total assets (mil. dol.)	27,643	29,286
 <u>Leading States:</u>		
Number of cooperatives	Minnesota (566)	Minnesota (519)
Memberships	Minnesota (423,983)	Minnesota (370,660)
Business volume (mil. dol.)	Iowa (5,916)	California (6,880)

FARMER COOPERATIVE STATISTICS, 1988

Ralph M. Richardson, Celestine C. Adams,
Katherine C. DeVille, Charles A. Kraenzle,
Jacqueline E. Penn, and John W. Stutzman 1/

I--DEFINITION OF A FARMER COOPERATIVE

For inclusion in the annual survey, a cooperative is defined as one that meets the following requirements:

(1) Farmers or agricultural producers hold the controlling interest in the cooperative; (2) no member of the cooperative is allowed more than one vote because of the amount of stock or membership capital owned, or the cooperative does not pay dividends on stock or membership capital in excess of 8 percent a year, or the legal rate in the State, whichever is higher; and (3) the cooperative does not deal in products of nonmembers in an amount greater in value than it handles for its members.

This definition may result in larger or smaller numbers of farmer cooperatives than are found in lists or directories of State agencies or cooperative councils. Agricultural Cooperative Service (ACS) includes only marketing, farm supply, and selected service cooperatives on its list. Livestock shipping associations and wool pools are included as marketing cooperatives. Many State lists include other types of cooperatives such as production, credit, telephone, electric, and consumer cooperatives as well as those that do not fulfill ACS' definition. Another reason for differences in the count or number of cooperatives is that cooperatives may operate in a specific State for a considerable period of time before they are included in the national survey. This may be due to one of the following reasons: (1) ACS may not learn of the existence of the cooperative immediately; (2) the cooperative may not have completed and returned an initial questionnaire; or (3) no notification is received of a cooperative that discontinues operating.

Readers who wish to make comparisons from year to year in specific commodity groups, therefore, should keep in mind the differences in lists and classifications in State and Federal data.

1/ Ralph M. Richardson, agricultural statistician; Celestine C. Adams, agricultural statistician; Katherine C. DeVille, statistical assistant; Jacqueline E. Penn, statistical assistant; Charles A. Kraenzle, director, Statistics and Technical Services Staff (STSS); and John W. Stutzman, Computer Systems Analyst, STSS.

Classification of Cooperatives

Statistics are presented according to a cooperative's major function or classification, such as marketing, farm supply, and selected service. These classifications are defined as follows:

Marketing cooperatives are associations whose primary business is marketing farm products for members--that is, more than 50 percent of total dollar volume was derived from the sale of members' farm products. Marketing cooperatives are further classified according to which commodity of 13 classifications is predominant (in terms of dollar volume) in each association's business. If a cooperative consistently indicates it is handling a larger volume of a commodity than the one it was originally organized to handle, and which provided the basis for its initial classification, it is reclassified by the commodity currently representing the predominant product in its business volume.

Cooperatives first furnished data by individual commodities handled and services performed in the 1950-51 survey. 2/ Cooperatives operating on a multistate basis were asked to furnish information on memberships and business volumes for the individual States they served. Before that time, all memberships and business were credited to the States in which each association maintained its headquarters.

Farm supply cooperatives are those whose farm supply business accounted for more than 50 percent of total dollar volume.

Farm supply cooperatives include those handling all types of farm production supplies and equipment such as feed, seed, fertilizer, petroleum products, farmstead equipment, and building supplies. Some also handle farm and home items such as heating oil, lawn and garden equipment, and food.

Service cooperatives are those predominantly involved in providing specialized business services related to the agricultural business operations of farmers, ranchers, or cooperatives. Their major functions are trucking, storing, drying, artificial insemination, or similar services.

Many cooperatives handle more than one commodity and provide both marketing and farm supply services, as well as facilities and equipment to perform related services such as storing, drying, and trucking. These associations are classified according to the predominant commodity or function as indicated by their business volumes.

Other types of service cooperatives such as production credit associations, rural credit unions, rural electric cooperatives, and dairy herd improvement associations are presented separately.

2/ A detailed discussion of the revisions initiated in statistical methods in 1950-51 was given in Statistics of Farmers' Marketing, Purchasing, and Service Cooperatives, 1950-51, U.S. Dept. Agr., Farm Credit Admin., Misc. Rpt. 169, March 1953, pp. 1-3.

Organizational Structures

Centralized

Most farmer cooperatives are centralized organizations. Individual farmers make up the membership. These 4,791 centralized cooperatives usually serve a local area or community, county, or several counties. Most local associations usually perform a limited number of the first steps of marketing. In farm supply associations, practically all sales are at the retail level. A few centralized cooperatives operate over large geographic areas and have members in several States. They often provide more vertically integrated services such as processing farm products or manufacturing feed and fertilizer.

Bargaining associations usually have centralized organizational structures. These associations derive all or a major portion of business volume from negotiating with distributors, processors, and other buyers and sellers over price, quantities, grade, terms of sale, and other factors involved in marketing farm products; only a few bargain for the purchase of farm supplies. While the primary function of such an association is to bring buyers and sellers together to contract for the sale of members' products, many bargaining associations now perform additional functions. For example, dairy bargaining associations at one time generally performed only price negotiation. Now, many perform additional functions, such as physically handling a portion of the milk and making spot sales for their patrons. Bargaining associations, like other dairy marketing cooperatives, represent their members at Federal or State milk marketing order hearings.

Federated

Federated cooperatives comprise two or more member associations organized to market farm products, purchase production supplies, or perform bargaining functions.

Member associations often operate at points quite distant from federation headquarters. Eighty-five federated cooperatives have been identified. Individual farmers are not members of strictly federated associations; rather, they are members of cooperatives that comprise the federation--sometimes called a regional cooperative. Also, some federations are made up of regional cooperatives--often called interregional associations.

Mixed

A small number of cooperatives have both individual farmer-members and autonomous cooperative members. Therefore, these associations are a combination of both the centralized and federated structures. Often, these cooperatives serve large geographic areas with members in many States and provide a variety of integrated services. Sixty-one cooperatives have been identified as having a "mixed" structure.

II--COOPERATIVE GROWTH TRENDS

As cooperatives declined in number, they grew in size and increased their importance as purchasers of supplies and marketers of products for members. Business volume of farmer cooperatives increased 18 percent (with some fluctuation in the early 1980's) in the decade between calendar years 1979 and 1988.

Number of Organizations

The total number of marketing, farm supply, and selected service cooperatives declined from 6,445 in 1979 to 4,937 in 1988 (table 1 and fig. 1). The number of marketing cooperatives declined from 3,825 to 2,988 and farm supply cooperatives from 2,507 to 1,836. The number of selected service cooperatives remained at 113.

Business Size

Measured by annual gross business volume, farmer cooperatives increased in size. Although the majority of cooperatives remain small and primarily serve local areas, several are seeking regional, national, or even international markets as a means of business growth and survival.

The increased size of individual cooperatives comes in part from mergers and consolidations. However, data used were not adjusted for changes in price levels, and some size changes are due in part to inflationary effects.

In 1988, 90.7 percent of all farmer cooperatives reported business volumes of less than \$15 million, representing 22.4 percent of the total gross dollar volume (table 2 and fig. 2). Only 1.2 percent of farmer cooperatives reported business volumes of \$250 million or more. These cooperatives, however, accounted for 54.0 percent of the total sales, up from 51.7 percent in 1987.

The 100 largest cooperatives (usually operating over large geographic areas) make up an important segment of farmer cooperatives. During 1980, the 100 largest cooperatives accounted for about \$50.3 billion, or 54.4 percent of total gross business volume.^{3/} By 1988, the 100 largest cooperatives^{4/} accounted for nearly \$46.7 billion in business volume, 56.9 percent of the total. These cooperatives, however, directly and through member cooperatives serve a large proportion of the total memberships.

Business Volume

Net cooperative business, unadjusted for changes in the price level, increased from \$56.3 billion in 1979 to \$66.4 billion in 1988 (table 3 and fig. 3).

^{3/} Comparable data not available for 1979.

^{4/} Michael D. Kane, "Improved Ag Economy, Management Helps Top 100 Co-ops Improve Returns to Members," Farmer Cooperatives, Vol. 56, No. 7, ACS, USDA, Washington, DC, p. 15.

Table 1--Number and percentage of predominantly marketing, farm supply, and service cooperatives, selected years

<u>Period 1/</u>	<u>Marketing</u>		<u>Farm supply</u>		<u>Service</u>		<u>Total</u>	
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
1950-51	6,519	64.8	3,283	32.6	262	2.6	10,064	100
1955-56	6,284	63.5	3,375	34.1	235	2.4	9,894	100
1960-61	5,727	62.5	3,222	35.2	214	2.3	9,163	100
1961-62	5,626	62.2	3,206	35.5	207	2.3	9,039	100
1962-63	5,502	61.8	3,211	36.0	194	2.2	8,907	100
1963-64	5,421	61.3	3,226	36.5	200	2.2	8,847	100
1964-65	5,305	61.8	3,085	35.9	193	2.3	8,583	100
1965-66	5,194	62.4	2,949	35.4	186	2.2	8,329	100
1966-67	5,076	62.5	2,871	35.3	178	2.2	8,125	100
1967-68	4,929	62.1	2,835	35.7	176	2.2	7,940	100
1968-69	4,773	61.6	2,793	36.1	181	2.3	7,747	100
1969-70	4,834	62.1	2,775	35.6	181	2.3	7,790	100
1970-71	5,097	63.7	2,731	34.2	167	2.1	7,995	100
1971-72	4,864	62.4	2,781	35.7	152	1.9	7,797	100
1972-73	4,897	62.3	2,801	35.7	156	2.0	7,854	100
1973-74	4,822	62.2	2,778	35.8	155	2.0	7,755	100
1974-75	4,770	62.4	2,729	35.7	146	1.9	7,645	100
1975-76	4,658	61.8	2,731	36.3	146	1.9	7,535	100
1976-77	4,008	59.5	2,593	38.5	135	2.0	6,736	100
1978 2/	3,930	59.6	2,550	38.6	120	1.8	6,600	100
1979	3,825	59.3	2,507	38.9	113	1.8	6,445	100
1980	3,808	60.5	2,369	37.7	116	1.8	6,293	100
1981	3,743	60.3	2,356	37.9	112	1.8	6,211	100
1982	3,714	60.7	2,299	37.5	112	1.8	6,125	100
1983	3,647	60.9	2,208	36.9	134	2.2	5,989	100
1984	3,514	60.8	2,136	36.9	132	2.3	5,782	100
1985	3,441	61.2	2,036	36.2	148	2.6	5,625	100
1986	3,260	60.7	1,971	36.7	138	2.6	5,369	100
1987	3,054	59.8	1,941	38.0	114	2.2	5,109	100
1988	2,988	60.5	1,836	37.2	113	2.3	4,937	100

1/ For years before 1950-51, see Cooperative Historical Statistics, CIR 1, Section 26, USDA, ACS, Wash., DC, Revised October 1987.

2/ Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data were included for the calendar year. Data for 1978 were estimated.

Figure 1

Farmer Cooperatives in the United States

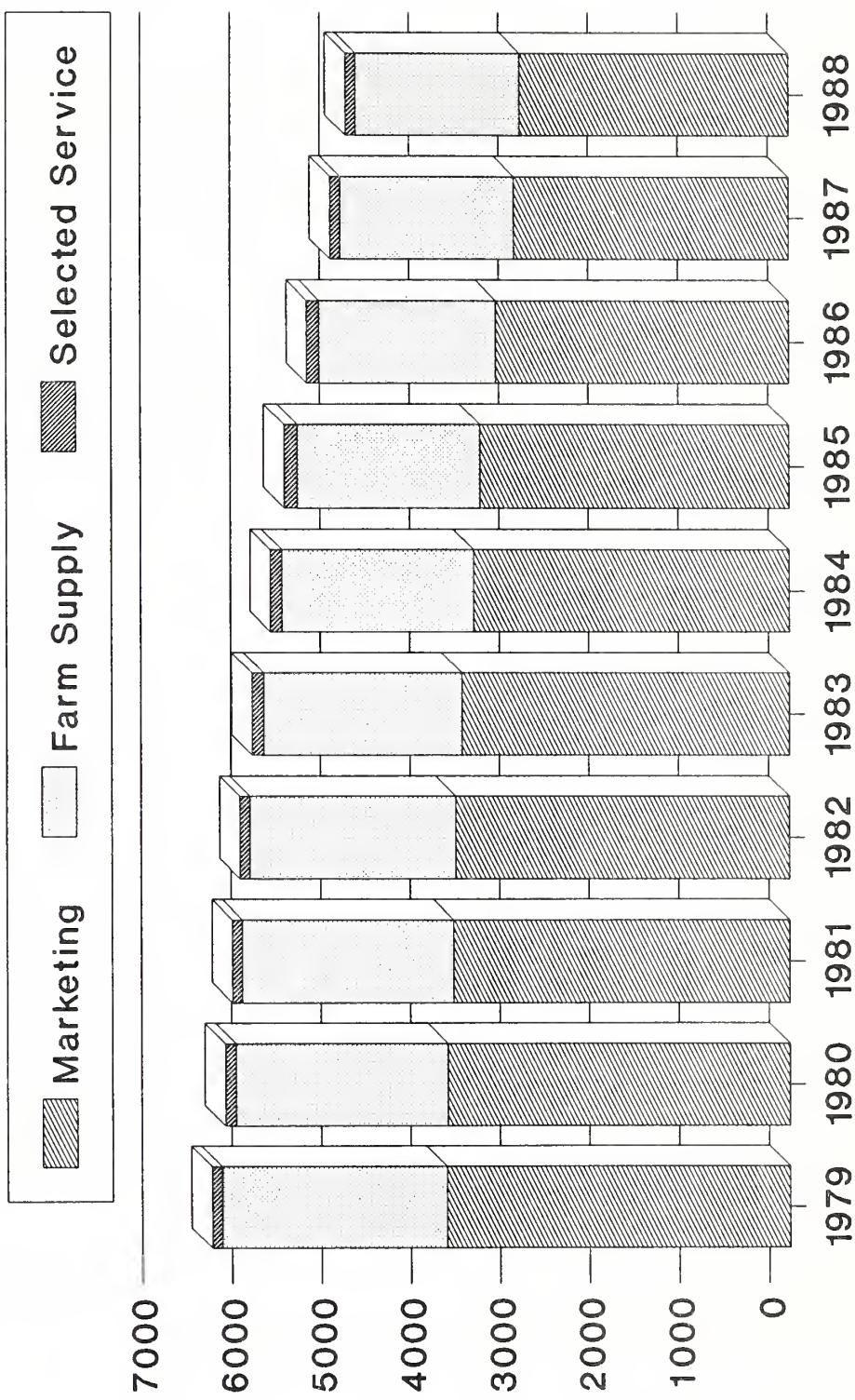


Table 2--Farmer cooperatives grouped by gross business volume, 1988

Volume group (mil. dol.)	Cooperatives		Dollar volume	
	Number	Percent of total	Gross 1/ (mil. dol.)	Percent of total
Less than \$15.0	4,480	90.7	18,404	22.4
\$15 - 24.9	165	3.3	3,346	4.1
\$25 - 49.9	136	2.8	4,735	5.8
\$50 - 99.9	46	.9	3,307	4.0
\$100 - 199.9	47	1.0	6,685	8.1
\$200 - 249.9	6	.1	1,296	1.6
\$250 - 499.9	29	.6	10,625	12.9
\$500 - 999.9	18	.4	13,264	16.2
\$1,000 and more	10	.2	20,475	24.9
Total	4,937	100.0	82,137	100.0

1/ Includes intercooperative volume.

Figure 2

Farmer Cooperatives Grouped by Gross Business Volume, 1988

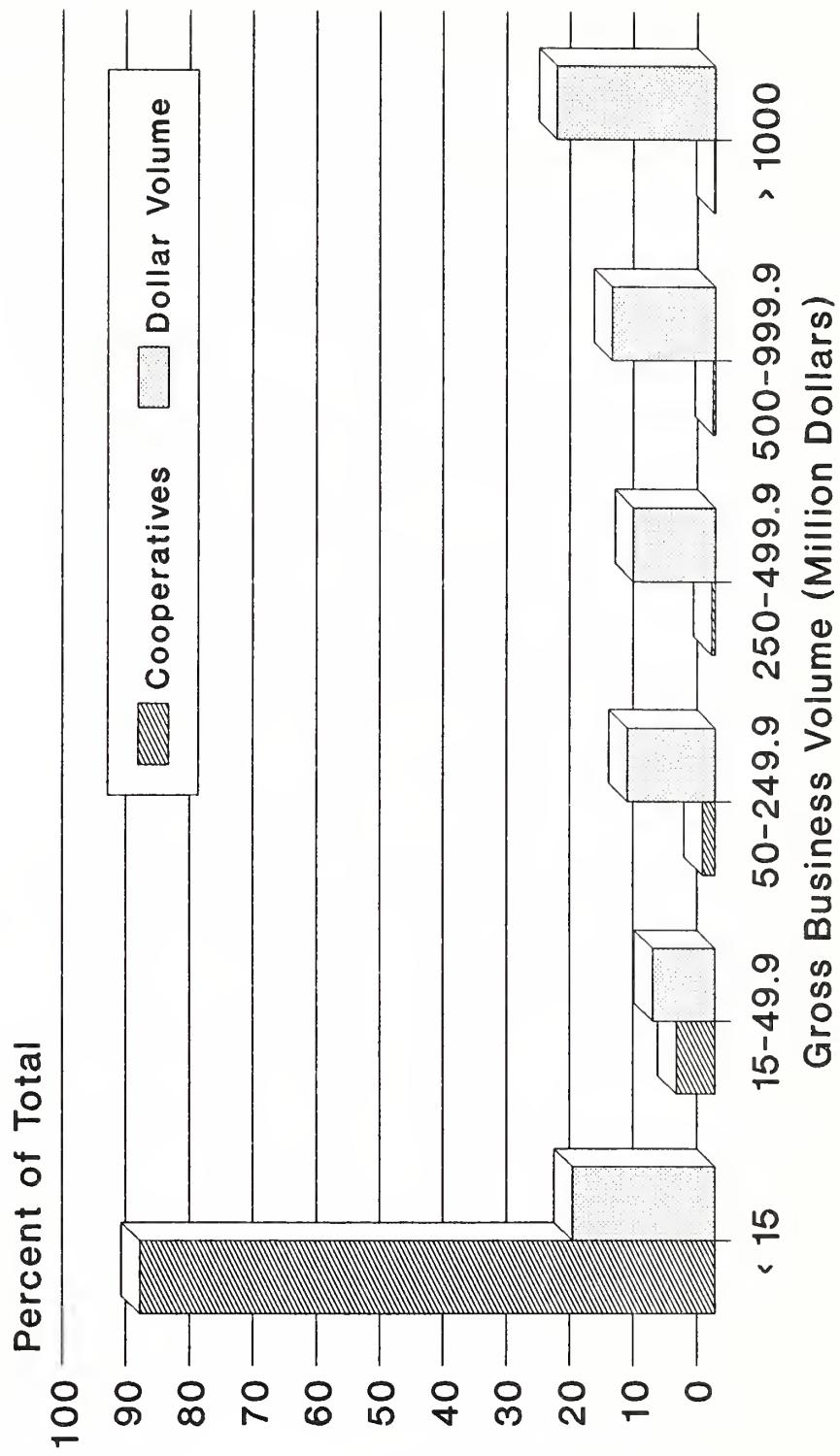


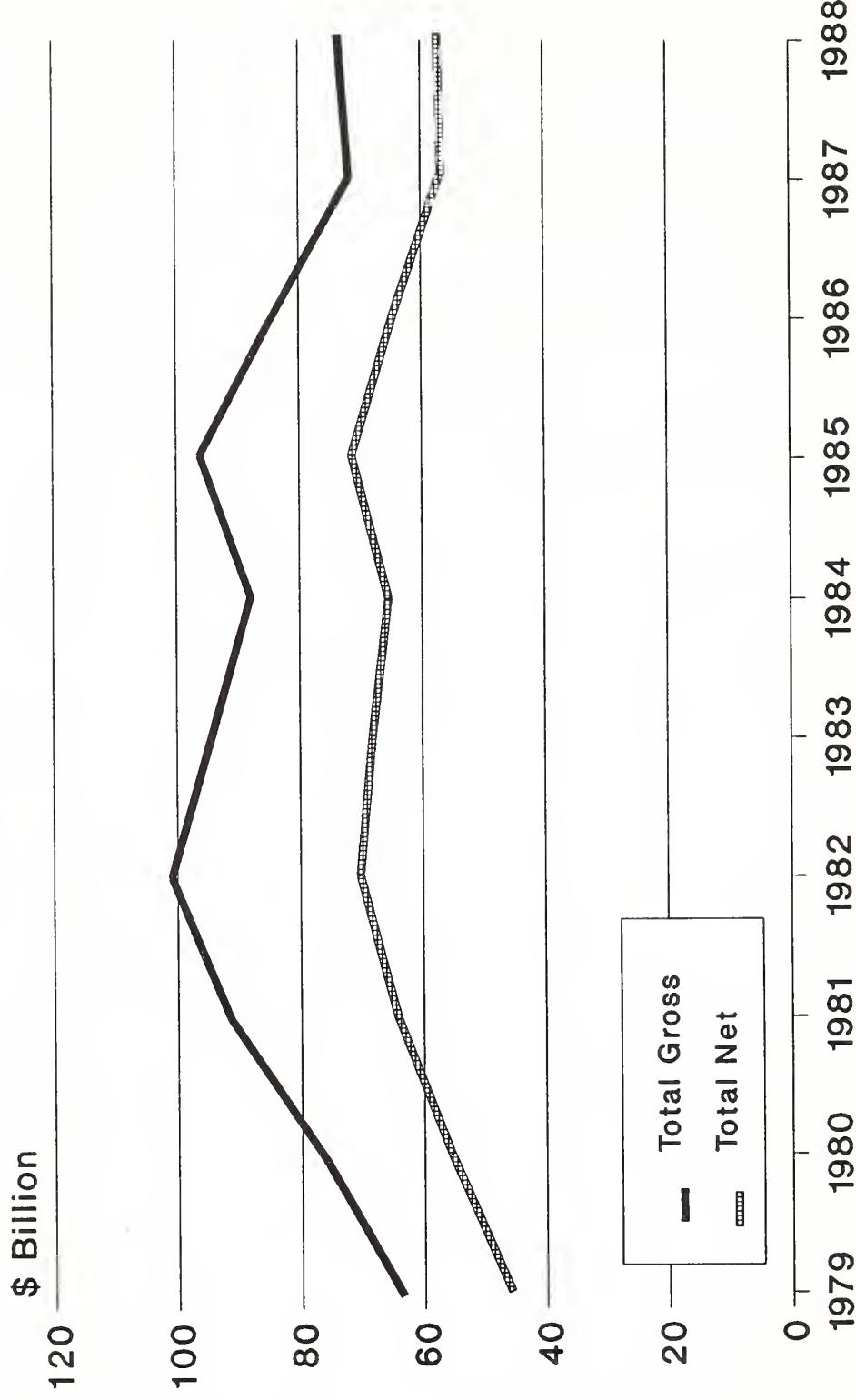
Table 3—Number and net volume of cooperatives handling farm products, farm supplies, and service receipts, 1979 and 1988 1/

	1979		1988	
	Cooperatives handling	Net volume	Cooperatives handling	Net volume
	<u>No.</u>	<u>Mil. dol.</u>	<u>No.</u>	<u>Mil. dol.</u>
Products marketed:				
Beans and peas (dry edible)	59	103.4	55	142.1
Cotton.....	473	1,435.5	368	1,876.4
Dairy.....	495	11,592.4	263	17,792.7
Fruits and vegetables.....	405	3,925.3	306	6,604.0
Grain and oilseeds				
excluding cottonseed.....	2,489	14,948.5	2,050	12,628.5
Livestock.....	449	5,140.5	318	3,338.5
Nuts.....	48	875.6	38	793.9
Poultry.....	76	1,027.5	43	1,027.8
Rice.....	60	853.9	56	787.5
Sugar.....	46	1,208.7	38	1,871.5
Tobacco.....	33	239.0	33	747.7
Wool and mohair.....	152	32.1	155	24.9
Other products.....	111	311.0	120	<u>2/</u> 1,431.3
Total farm products.....	<u>3/</u> 4,433	41,693.4	<u>3/</u> 3,463	49,066.9
Supplies purchased:				
Building materials.....	2,243	486.7	1,790	384.5
Containers and				
packaging supplies.....	687	111.2	505	143.9
Farm chemicals.....	3,877	948.5	2,907	1,339.2
Farm machinery				
and equipment.....	1,940	385.0	1,605	285.4
Feed.....	3,796	3,189.2	2,829	3,807.0
Fertilizer.....	3,972	2,755.0	2,899	2,976.8
Meats and groceries.....	485	184.3	350	119.2
Petroleum.....	3,062	3,827.1	2,313	4,416.1
Seed.....	3,805	456.2	2,907	540.0
Other supplies.....	4,517	1,178.2	3,363	1,412.3
Total farm supplies.....	<u>3/</u> 5,212	13,521.5	<u>3/</u> 3,778	15,424.4
Services provided:				
Trucking, cotton ginning, storage, grinding, locker plants, misc.....	<u>3/</u> 4,764	1,053.6	<u>3/</u> 3,705	1,939.1
Total business.....	<u>3/</u> 6,445	56,268.4	<u>3/</u> 4,937	66,430.4

1/ Totals may not add due to rounding. Number of cooperatives handling various commodities are estimated for 1988. 2/ Includes value of processed oilseeds. 3/ Adjusted for duplication arising from multiple activities performed by many cooperatives.

Figure 3

Business Volume of Farmer Cooperatives



During this period, marketing of farm products declined from 74.1 to 73.9 percent of annual net business volume; purchases of production supplies decreased from 24.0 to 23.2 percent; and selected services increased from 1.9 to 2.9 percent.

Marketing volume increased from \$41.7 billion to \$49.1 billion, supplies purchased from \$13.5 billion to \$15.4 billion, and income from services increased from \$1.1 billion to \$1.9 billion.

Four commodity groups--dairy; grain and oilseeds excluding cottonseed; fruits and vegetables; and livestock--decreased slightly from 85.4 percent of all products marketed in 1979 to 82.3 percent in 1988.

Dairy and fruits and vegetables as a percentage of total cooperative business increased from 27.6 percent in 1979 to 36.7 percent in 1988. Grain and oilseeds excluding cottonseed and livestock showed a significant decrease--from 35.7 to 24.0 percent.

In the farm supply group, three items--petroleum, fertilizer, and feed--were especially important. They accounted for 72.3 percent of the total production supply business in 1979 and 72.6 percent in 1988.

Considering changes in the production supplies group, the proportion of total business volume accounted for by fertilizer declined, while farm chemicals and feed showed an increase. Petroleum was about the same in both years.

III--1988 STATISTICS

Number of Cooperatives

The 1988 survey accounted for 4,937 marketing, farm supply, and selected service 5/ cooperatives, compared with 5,109 in 1987.

The net decrease of 172 associations, 3.4 percent fewer, largely reflected a continuing trend involving merger, consolidation, acquisition, or dissolution.

Of the 4,937 cooperatives, 2,988 primarily marketed farm products, 1,836 handled farm production supplies, and 113 provided services.

Comparison of 1988 to 1987 shows that marketing cooperatives increased from 59.8 to 60.5 percent of the total number of cooperatives; farm supply cooperatives decreased from 38 to 37.2 percent; and selected service cooperatives increased from 2.2 to 2.3 percent.

5/ Services include trucking, storage, grinding, drying, artificial insemination, and similar services affecting the form, quality, or location of farm products and supplies handled by cooperatives. They do not include credit, electric, telephone, or other such services not directly related to marketing or purchasing activities.

The percentage changes in table 1 are due to some extent to the reclassification of cooperatives because of changes in the function from which they derive the major portion of their dollar volume. The primary example in 1988 was farm supply cooperatives whose major business became the sale of grain and oilseeds. The higher prices of grain in 1988 increased the total grain sales handled by cooperatives.

In table 4, the number of cooperatives headquartered in States is listed with the business activity that consistently accounted for the largest percent of their dollar volume for 1987. State data were not collected for 1988.

Memberships

Memberships in marketing, farm supply, and selected service cooperatives totaled 4,195,511 in 1988, a decrease of 5.5 percent from 4,439,999 (table 5 and fig. 4).

The long-term trend has been one of decline, reflecting, in part, the decreasing number of farmers in the United States. Many farmers were members of more than one cooperative and each membership was counted. Total membership contains duplication that cannot be eliminated with current reporting methods.

Though many farmers maintained membership in more than one cooperative, nearly 17.9 percent did not actively patronize their cooperatives.

Membership figures often vary widely from year to year for cooperatives participating in price stabilization programs, particularly for those handling cotton, peanuts, or tobacco.

Classification of members is affected also by the diversity of services offered by cooperatives. For example, a member may use a cooperative to market only one of the farm products handled by the cooperative, or a member may use a cooperative classified in the marketing group only for purchasing one or more types of production supplies. The member's business with the cooperative, therefore, may not be in the group that represents the cooperative's major business volume (which determines how the cooperative is classified in this report). The membership, however, will be included arbitrarily in that classification.

Business Volume

Total gross business volume of 4,937 marketing, farm supply, and selected service cooperatives amounted to \$82.1 billion (table 6), a 9.9-percent increase from \$74.7 billion in 1987.

Table 4—Cooperative numbers 1/ and memberships, 2/ by major business activity and major State, 1987 3/

Major State	Co-op hdqrs. in State	Member- ships	Major State	Co-op hdqrs. in State	Member- ships
<u>BEANS AND PEAS, DRY EDIBLE</u>			<u>FRUITS AND VEGETABLES</u> 4/ (Continued)		
California	5	1,138	Arkansas	3	813
Other States	<u>6</u>	<u>3,132</u>	California	97	23,059
United States	11	4,270	Colorado	12	1,041
<u>COTTON</u> 4/			Florida	36	2,455
Alabama	6	278	Georgia	3	62
Arizona	5	1,121	Hawaii	8	396
Arkansas	11	1,627	Illinois	3	36
California	38	5,439	Kentucky	6	644
Louisiana	6	770	Maine	3	1,167
Mississippi	43	4,314	Michigan	16	3,744
New Mexico	11	1,948	New Jersey	10	1,311
Oklahoma	39	17,494	New York	7	1,467
Texas	208	68,848	North Carolina	10	1,765
Other States	<u>3</u>	<u>1,153</u>	Ohio	6	2,343
United States	370	102,992	Oregon	14	1,710
<u>DAIRY</u>			Pennsylvania	7	1,935
California	8	1,758	South Carolina	3	52
Hawaii	3	45	Texas	5	398
Illinois	7	3,229	Virginia	7	204
Iowa	11	7,578	Washington	27	7,779
Minnesota	59	22,814	Other States	<u>25</u>	<u>5/</u> 10,621
Missouri	3	6,696	United States	312	64,093
New York	64	7,261	<u>GRAINS AND OILSEEDS EXCLUDING</u> <u>COTTONSEED</u> 6/		
North Dakota	5	1,663	Alabama	4	4,500
Ohio	7	5,047	Arkansas	4	10,491
Oregon	4	973	California	3	515
Pennsylvania	19	8,332	Colorado	20	13,633
South Carolina	3	412	Idaho	10	10,724
Texas	3	2,567	Illinois	155	91,648
Utah	3	553	Indiana	30	51,627
Vermont	5	2,168	Iowa	191	95,266
Virginia	3	1,306	Kansas	171	142,793
Washington	4	1,219	Louisiana	4	585
Wisconsin	60	28,294	Michigan	12	9,015
Other States	<u>27</u>	<u>35,256</u>	Minnesota	158	89,968
United States	298	137,171	Mississippi	7	3,128
<u>FRUITS AND VEGETABLES</u> 4/			Missouri	14	16,772
Arizona	4	1,091	Montana	26	13,936
			Nebraska	114	72,709
			North Dakota	192	80,415
			Ohio	65	47,515

Continued

Table 4—Cooperative numbers 1/ and memberships, 2/ by major business activity and major State, 1987 3/ (Continued)

Major State	Co-op hdqrs. in State	Member- ships	Major State	Co-op hdqrs. in State	Member- ships
<u>GRAINS AND OILSEEDS EXCLUDING COTTONSEED</u> <u>6/</u> (Continued)					
Oklahoma	68	43,523	California	3	66
Oregon	7	4,236	Georgia	3	33,039
South Dakota	100	59,878	Utah	3	121
Texas	49	18,775	Other States	<u>6</u>	<u>25,514</u>
Utah	3	2,553	United States	15	58,740
Washington	31	11,959			
Other States	<u>8</u>	<u>3,895</u>			
United States	1,446	900,059			
<u>LIVESTOCK</u> <u>4/</u>					
Alabama	10	11,539	Arkansas	23	14,467
Arkansas	4	649	California	4	2,951
Colorado	4	3,902	Louisiana	10	1,499
Idaho	5	2,426	Texas	11	2,253
Illinois	5	27,414	Other States	<u>2</u>	<u>758</u>
Iowa	4	12,309	United States	50	21,928
Kentucky	8	7,606			
Michigan	5	28,605			
Minnesota	78	55,480			
Mississippi	6	7,176			
Missouri	6	13,647			
Nebraska	4	3,205			
New York	4	15,868			
North Dakota	32	9,928			
Ohio	4	30,273			
Pennsylvania	4	203			
Tennessee	3	556			
Virginia	14	635			
West Virginia	7	692			
Wisconsin	59	26,751			
Other States	<u>20</u>	<u>5/ 66,111</u>			
United States	286	324,975			
<u>NUTS</u> <u>7/</u>					
California	5	8,324	Idaho	16	1,064
Oklahoma	3	2,434	Montana	21	1,454
Other States	<u>10</u>	<u>41,597</u>	New York	3	840
United States	18	52,355	North Dakota	5	165
			Pennsylvania	22	6,680

Continued

Table 4--Cooperative numbers 1/ and memberships, 2/ by major business activity and major State, 1987 3/ (Continued)

Major State	Co-op hdqrs. in State	Member- ships	Major State	Co-op hdqrs. in State	Member- ships
<u>WOOL AND MOHAIR</u> (Continued)			<u>TOTAL MARKETING</u> (Continued)		
South Dakota	3	3,485	New York	80	25,860
Utah	8	2,610	North Carolina	27	91,774
Virginia	15	1,978	North Dakota	237	93,453
Washington	3	240	Ohio	87	93,439
West Virginia	15	1,805	Oklahoma	112	68,844
Wyoming	5	1,289	Oregon	29	7,622
Other States	<u>28</u>	<u>26,768</u>	Pennsylvania	52	17,205
United States	144	48,378	South Carolina	11	24,667
<u>MISCELLANEOUS</u> 10/			South Dakota	106	70,683
California	3	894	Tennessee	15	65,450
Hawaii	5	611	Texas	283	100,418
Mississippi	3	15	Utah	21	11,664
Washington	3	130	Vermont	9	2,384
Other States	<u>22</u>	<u>2,363</u>	Virginia	47	28,434
United States	36	4,013	Washington	68	21,343
<u>TOTAL MARKETING</u>			West Virginia	24	4,884
Alabama	22	29,944	Wisconsin	126	59,994
Arizona	10	2,702	Wyoming	9	3,995
Arkansas	45	28,894	Other States	8	5/ 5,901
California	171	59,035	United States	3,054	2,025,863
Colorado	42	20,084	<u>FARM SUPPLY</u>		
Florida	43	12,634	Alabama	53	54,616
Georgia	11	56,737	Arizona	4	61,118
Hawaii	21	1,144	Arkansas	49	45,028
Idaho	37	23,555	California	25	18,317
Illinois	174	123,320	Colorado	27	19,584
Indiana	33	90,023	Connecticut	3	2,346
Iowa	212	120,290	Delaware	4	15,705
Kansas	172	146,599	Florida	7	7,508
Kentucky	24	112,874	Georgia	6	3,142
Louisiana	33	5,131	Hawaii	6	2,886
Maine	6	1,916	Idaho	17	15,869
Massachusetts	7	1,735	Illinois	82	117,714
Michigan	39	49,763	Indiana	37	80,007
Minnesota	305	173,472	Iowa	109	134,381
Mississippi	65	17,860	Kansas	44	48,157
Missouri	24	38,668	Kentucky	40	135,575
Montana	57	17,236	Louisiana	28	10,113
Nebraska	123	86,542	Maryland	18	67,933
New Jersey	14	3,665	Massachusetts	5	5,620
New Mexico	13	4,026	Michigan	46	31,120
			Minnesota	208	184,083
			Mississippi	63	66,809

Continued

Table 4—Cooperative numbers 1/ and memberships, 2/ by major business activity and major State, 1987 3/ (Continued)

Major State	Co-op hdqrs. in State	Member- ships	Major State	Co-op hdqrs. in State	Member- ships
TOTAL (Continued)					
FARM SUPPLY (Continued)					
Missouri	64	137,559	Arkansas	94	73,922
Montana	52	21,203	California	209	78,286
Nebraska	84	76,767	Colorado	70	39,673
New Jersey	3	6,121	Connecticut	5	4,556
New York	86	45,521	Delaware	5	17,257
North Dakota	130	56,129	Florida	53	32,729
Ohio	42	37,422	Georgia	17	59,879
Oklahoma	23	17,466	Hawaii	29	4,140
Oregon	21	33,425	Idaho	55	39,424
Pennsylvania	19	39,251	Illinois	261	244,109
South Dakota	108	83,316	Indiana	71	170,881
Tennessee	78	72,008	Iowa	322	257,715
Texas	58	23,516	Kansas	218	194,766
Utah	10	5,421	Kentucky	76	248,529
Virginia	49	189,745	Louisiana	64	16,354
Washington	38	24,526	Maine	7	9,769
West Virginia	19	62,267	Maryland	21	72,420
Wisconsin	162	196,904	Massachusetts	12	8,111
Wyoming	9	4,134	Michigan	88	85,070
Other States	5	21,697	Minnesota	519	370,660
United States	1,941	2,282,029	Mississippi	131	86,017
SELECTED SERVICES 11/					
California	13	934	Missouri	91	177,328
Florida	3	12,587	Montana	109	38,439
Illinois	5	3,075	Nebraska	210	164,182
Kentucky	12	80	New Jersey	18	10,353
Louisiana	3	1,110	New Mexico	13	4,078
Michigan	3	4,187	New York	170	84,178
Minnesota	6	13,105	North Carolina	31	101,692
Mississippi	3	1,348	North Dakota	371	150,095
Missouri	3	1,101	Ohio	134	134,754
Nebraska	3	873	Oklahoma	135	86,625
New York	4	12,797	Oregon	51	41,075
North Dakota	4	513	Pennsylvania	76	71,856
Ohio	5	3,893	South Carolina	13	25,048
Pennsylvania	5	15,400	South Dakota	215	154,495
Texas	5	1,370	Tennessee	95	138,179
Wisconsin	12	36,486	Texas	346	125,304
Other States	25	23,248	Utah	32	17,090
United States	114	132,107	Vermont	10	8,741
TOTAL			Virginia	97	219,575
Alabama	77	84,736	Washington	108	50,518
Arizona	14	63,880	West Virginia	43	67,679
			Wisconsin	300	293,384
			Wyoming	18	8,129
			Other States	5	5/ 4,319
United States	5,109	4,439,999			

Footnotes to Table 4

1/ Includes centralized and federated cooperatives and those with mixed organizational structures.

2/ Includes farmer members (those entitled to vote for directors) but does not include nonvoting patrons. (Duplication in these membership figures occurs because many farmers belong to more than one cooperative.) Totals may not add due to rounding.

3/ Data covering operations of cooperatives for calendar year 1987. Figures may vary from previously published data due to estimation procedures for nonrespondents and sampling methodology. Major States include those with more than two cooperatives or where disclosure is not a problem.

4/ Cooperatives performing specific services related to a commodity are included. Incorporated local associations of a federation that performs the actual marketing or processing are counted.

5/ Includes foreign memberships.

6/ Excludes soybean meal and oil.

7/ Membership of nut cooperatives that market peanuts fluctuates from year to year and is affected by the extent to which producers participate in price stabilization programs.

8/ Includes sugar, sugarcane, sugar beets, honey, maple syrup, molasses, and sorghum.

9/ Member-patrons. Number fluctuates considerably from year to year due to participation in price stabilization programs.

10/ Includes forest products, hay, hops, nursery stock, coffee, and other farm products not separately classified.

11/ Cooperatives providing services related to marketing or purchasing activities.

Table 5—Memberships in predominantly marketing, farm supply, and selected service cooperatives, selected years

Period 1/	<u>Marketing</u>		<u>Farm supply</u>		<u>Service</u>		<u>Total</u>	
	<u>1,000</u>	<u>Percent</u>	<u>1,000</u>	<u>Percent</u>	<u>1,000</u>	<u>Percent</u>	<u>1,000</u>	<u>Percent</u>
1950-51	4,118	58.1	2,879	40.6	94	1.3	7,091	100
1955-56	4,223	54.6	3,444	44.6	65	.8	7,732	100
1960-61	3,473	48.2	3,680	51.1	50	.7	7,203	100
1961-62	3,420	48.2	3,635	51.2	44	.6	7,099	100
1962-63	3,582	49.6	3,596	49.8	41	.6	7,219	100
1963-64	3,613	51.0	3,425	48.4	42	.6	7,080	100
1964-65	3,791	53.5	3,251	45.9	40	.6	7,082	100
1965-66	3,636	53.3	3,154	46.2	36	.5	6,826	100
1966-67	3,298	50.7	3,169	48.8	34	.5	6,502	100
1967-68	3,225	50.0	3,187	49.5	34	.5	6,445	100
1968-69	3,141	49.4	3,189	50.1	33	.5	6,364	100
1969-70	3,103	48.8	3,222	50.7	30	.5	6,355	100
1970-71	3,105	50.4	3,028	49.2	25	.4	6,158	100
1971-72	3,134	51.0	2,991	48.7	22	.3	6,147	100
1972-73	3,118	50.9	2,988	48.8	22	.3	6,128	100
1973-74	3,111	51.0	2,972	48.7	22	.3	6,106	100
1974-75	3,127	51.1	2,971	48.5	25	.4	6,123	100
1975-76	2,812	47.6	3,056	51.7	38	.7	5,906	100
1976-77	2,655	46.1	3,066	53.3	37	.6	5,758	100
1978 2/	2,595	45.6	3,063	53.8	37	.6	5,695	100
1979	2,531	45.0	3,060	54.4	36	.6	5,627	100
1980	2,542	47.3	2,804	52.1	32	.6	5,379	100
1981	2,452	46.0	2,856	53.5	27	.5	5,335	100
1982	2,444	47.6	2,666	51.9	25	.5	5,136	100
1983	2,308	46.6	2,553	51.5	3/ 95	1.9	4,955	100
1984	2,317	47.9	2,397	49.5	128	2.6	4,842	100
1985	2,214	46.3	2,398	50.2	169	3.5	4,781	100
1986	2,140	46.5	2,310	50.2	150	3.3	4,600	100
1987	2,026	45.6	2,282	51.4	132	3.0	4,440	100
1988	1,912	45.6	2,142	51.1	141	3.4	4,195	100

1/ For years before 1950-51, see Cooperative Historical Statistics, CIR 1, Section 26, USDA, ACS, Wash., DC, Revised October 1987.

2/ Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data were included for the calendar year. Data for 1978 were estimated.

3/ Number of memberships were up significantly due to inclusion of additional service cooperatives.

Figure 4

Memberships in Farmer Cooperatives

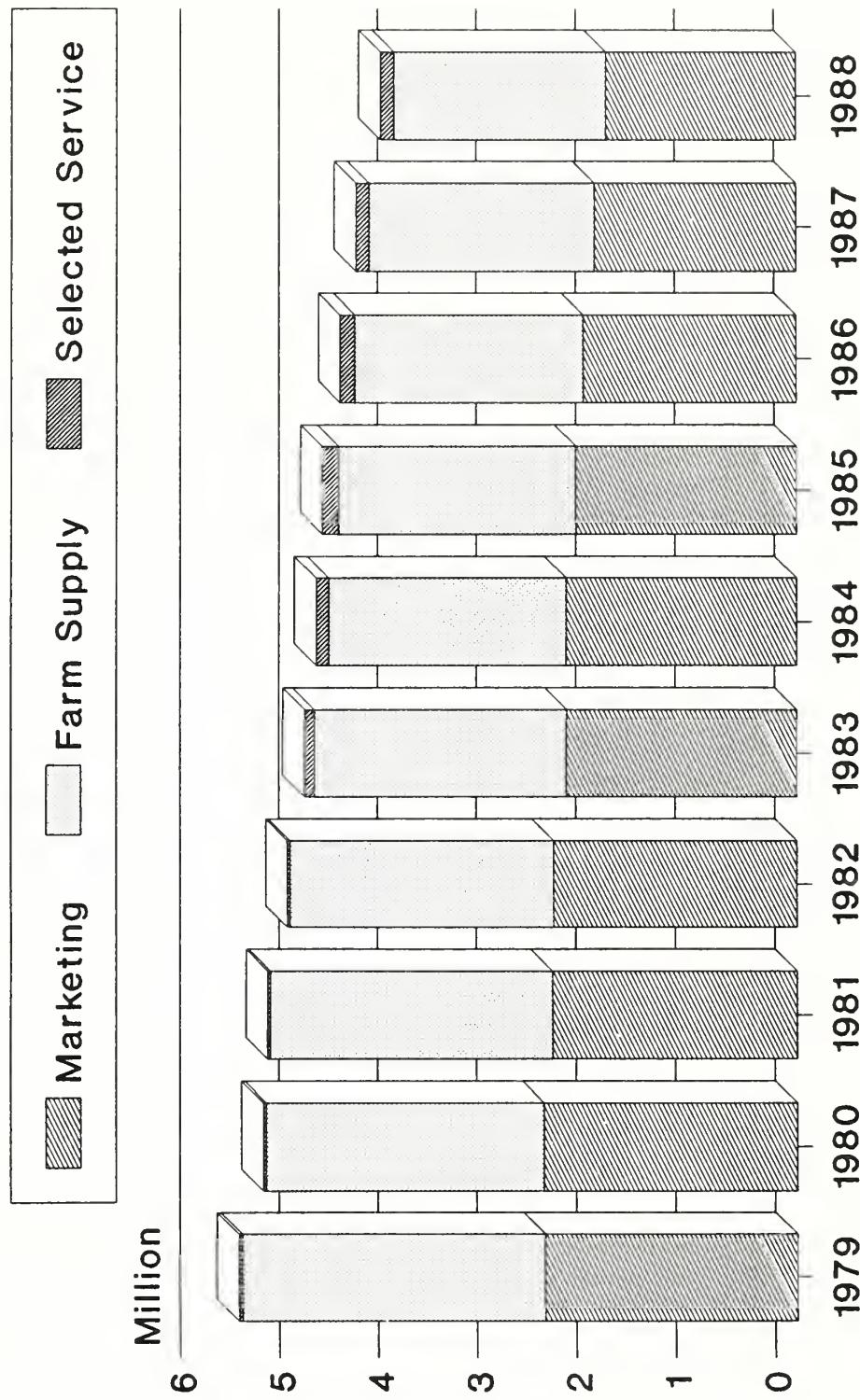


Table 6--Business volume of marketing, farm supply, and selected service cooperatives, selected years

Period 1/	Gross volume (includes inter-cooperative business)				Net volume (excludes inter-cooperative business)			
	Farm products	Farm supplies 2/	Selected services	Total	Farm products	Farm supplies 2/	Selected services	Total
<u>Billion dollars</u>								
1950-51	8.0	2.4	0.1	10.5	6.4	1.7	0.1	8.1
1955-56	9.5	3.0	.2	12.7	7.5	2.0	.2	9.8
1960-61	12.1	3.7	.3	16.2	9.6	2.5	.3	12.4
1961-62	13.0	3.9	.3	17.2	10.2	2.6	.3	13.0
1962-63	13.9	4.1	.3	18.3	10.8	2.7	.3	13.8
1963-64	14.5	4.4	.3	19.2	11.2	2.8	.3	14.4
1964-65	14.8	4.5	.3	19.6	11.5	2.9	.3	14.7
1965-66	15.5	4.8	.3	20.6	12.2	3.1	.3	15.6
1966-67	16.3	5.3	.3	21.9	12.9	3.3	.3	16.6
1967-68	16.6	5.6	.3	22.4	13.2	3.5	.3	17.0
1968-69	16.8	5.6	.4	22.8	13.4	3.6	.4	17.4
1969-70	18.4	6.0	.4	24.8	14.8	3.9	.4	19.1
1970-71	20.1	6.7	.4	27.3	15.8	4.3	.4	20.6
1971-72	20.8	7.4	.5	28.7	16.5	4.7	.5	21.7
1972-73	25.1	8.8	.5	34.5	19.6	5.9	.5	26.0
1973-74	35.6	11.4	.7	47.7	26.9	7.8	.7	35.4
1974-75	40.3	13.4	.4	54.5	31.9	8.7	.7	41.3
1975-76	39.4	15.6	.9	55.8	29.8	9.4	.9	40.1
1976-77	40.8	17.8	.9	59.5	32.3	10.6	.9	43.6
1978 3/	45.1	18.6	.9	64.6	35.3	11.1	.9	47.3
1979	53.7	22.7	1.1	77.4	41.7	13.5	1.1	56.3
1980	63.7	27.7	1.2	92.5	48.9	16.1	1.2	66.3
1981	70.2	30.1	1.2	101.5	53.3	17.1	1.2	71.5
1982	65.6	28.1	1.4	95.1	51.4	16.4	1.4	69.2
1983	61.2	26.1	1.5	88.7	49.3	15.9	1.5	66.8
1984	67.6	27.7	1.5	96.9	54.6	17.0	1.5	73.0
1985	57.0	26.4	1.6	85.1	47.3	16.6	1.6	65.6
1986	47.6	23.6	1.8	73.0	41.5	15.1	1.8	58.4
1987	50.3	22.5	1.9	74.7	44.2	14.3	1.9	60.3
1988	56.2	24.0	1.9	82.1	49.1	15.4	1.9	66.4

Continued

Table 6--Business volume of marketing, farm supply, and selected service cooperatives, selected years (Continued)

Period 1/	Gross volume (includes inter-cooperative business)				Net volume (excludes inter-cooperative business)			
	Farm products	Farm supplies 2/	Selected services	Total	Farm products	Farm supplies 2/	Selected services	Total
<u>Percent</u>								
1950-51	75.9	23.2	0.9	100	78.1	20.7	1.2	100
1955-56	74.9	23.4	1.7	100	76.8	21.0	2.2	100
1960-61	75.0	23.1	1.9	100	77.6	19.9	2.5	100
1961-62	75.5	22.7	1.8	100	78.0	19.7	2.3	100
1962-63	75.7	22.6	1.7	100	78.3	19.5	2.2	100
1963-64	75.5	22.9	1.6	100	78.1	19.7	2.2	100
1964-65	75.5	22.9	1.6	100	78.1	19.8	2.1	100
1965-66	75.1	23.3	1.6	100	78.1	19.8	2.1	100
1966-67	74.3	24.3	1.4	100	77.9	20.2	1.9	100
1967-68	73.8	24.8	1.4	100	77.4	20.8	1.8	100
1968-69	73.8	24.7	1.5	100	77.2	20.8	2.0	100
1969-70	74.2	24.2	1.6	100	77.7	20.3	2.0	100
1970-71	73.8	24.7	1.5	100	76.9	21.1	2.0	100
1971-72	72.6	25.8	1.6	100	76.0	21.9	2.1	100
1972-73	72.9	25.7	1.4	100	75.3	22.8	1.9	100
1973-74	74.7	23.9	1.4	100	76.2	21.9	1.9	100
1974-75	74.0	24.6	1.4	100	77.3	20.9	1.8	100
1975-76	70.6	27.9	1.5	100	74.4	23.5	2.1	100
1976-77	68.6	29.9	1.5	100	73.7	24.2	2.1	100
1978 3/	69.7	28.8	1.5	100	74.6	23.4	2.0	100
1979	69.3	29.3	1.4	100	74.1	24.0	1.9	100
1980	68.8	29.9	1.3	100	73.8	24.4	1.8	100
1981	69.1	29.7	1.2	100	74.5	23.8	1.7	100
1982	69.0	29.5	1.5	100	74.3	23.7	2.0	100
1983	69.0	29.4	1.6	100	73.9	23.9	2.2	100
1984	69.8	28.6	1.6	100	74.7	23.2	2.1	100
1985	67.0	31.1	1.9	100	72.1	25.4	2.5	100
1986	65.2	32.4	2.4	100	71.1	25.9	3.0	100
1987	67.3	30.2	2.5	100	73.2	23.7	3.1	100
1988	68.4	29.2	2.4	100	73.9	23.2	2.9	100

1/ For years prior to 1950-51, see Cooperative Historical Statistics, CIR 1, Section 26, USDA, ACS, Wash., DC, Revised October 1987. Data for prior years are not entirely comparable due to revisions in statistical procedures in 1950-51.

2/ Services related to marketing or supply purchasing but not included in the volumes reported for these activities.

3/ Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data were included for the calendar year. Data for 1978 were estimated.

Total net business volume of farmer cooperatives amounted to \$66.4 billion. This amount included \$49.1 billion for farm products marketed, \$15.4 billion for farm supplies purchased, and \$1.9 billion for services performed. The total net figure of \$66.4 billion, which excludes intercooperative business (the difference between gross and net business volumes), represented an increase of 10.1 percent from \$60.3 billion in 1987. However, discounting for price changes, business volume increased only 3.5 percent. 6/

Intercooperative business increased from \$14.4 billion to \$15.7 billion. Gross and net volumes of business for marketing, purchasing, and related service activities are shown in table 6 for selected years from fiscal 1951 through calendar 1988.

Gross volume of farm products marketed by cooperatives increased from \$50.3 billion to \$56.2 billion, an increase of 11.7 percent. The net volume of farm products marketed amounted to \$49.1 billion and accounted for 73.9 percent of the total net volume of cooperatives. The net marketing volume represented an increase of 11.1 percent from \$44.2 billion. The increase resulted primarily from increased prices. Overall, crop production was down significantly in 1988 due to drought in certain areas of the country. The major increases in net marketing volume were in grain and oilseeds excluding cottonseed, tobacco, and cotton.

Figure 5 illustrates the leading products marketed by cooperatives based on net marketing business volume. Dairy led with 36.3 percent of total net marketing volume, followed by grain and oilseeds excluding cottonseed (grains) with 25.7 percent. Fruits and vegetables ranked third with 13.5 percent of total net marketing volume.

Gross volume of all farm supplies handled by cooperatives amounted to \$24.0 billion, a 6.5-percent increase from \$22.5 billion. The net farm supply volume of \$15.4 billion accounted for 23.3 percent of the total net business volume, a 8.1-percent increase from \$14.3 billion. Increased prices for feed and fertilizer were a major factor. Feed sales were up \$820 million or 27.5 percent. Fertilizer sales were up 9 percent.

As shown in figure 6, leading farm supplies handled by cooperatives in terms of net business volume were petroleum, with 28.6 percent of the total, followed by feed and fertilizer.

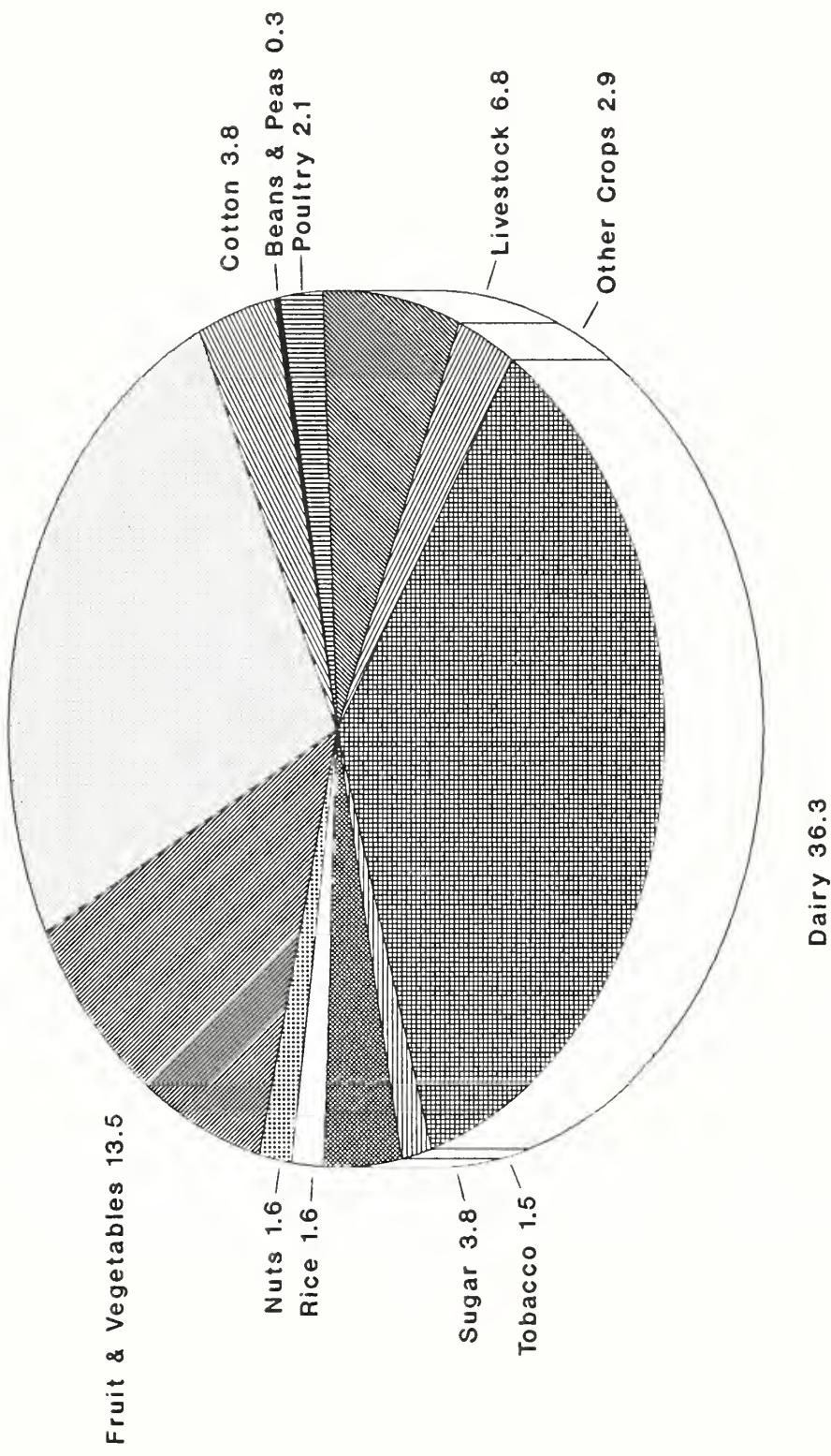
Receipts for services performed by marketing, farm supply, and selected service cooperatives amounted to \$1.94 billion, a record high--up 2.5 percent. Service receipts represented 2.9 percent of total net business volume.

6/ By deflating the volume of farm products handled by cooperatives in 1988 by indices of producer prices for farm products and processed foods and feeds and the volume of farm supplies and service income by the index on prices paid by farmers for production of all commodities excluding interest, taxes, and wage rates, total business volume increased only 3.5 percent to \$62.4 billion.

Figure 5

Relative Importance of Major Farm Products Marketed by Cooperatives, 1988

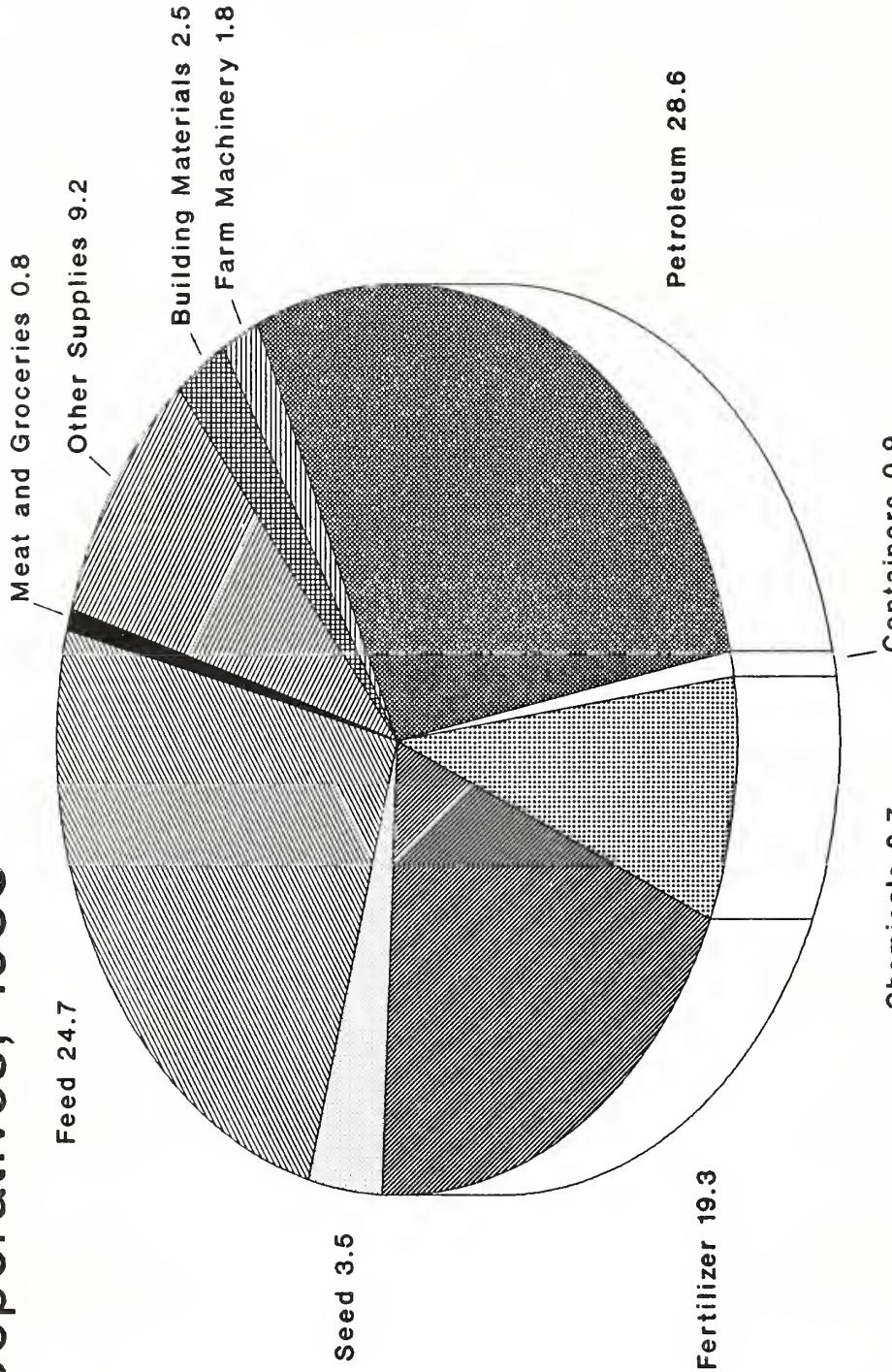
Grain & Soybeans 25.7



Percent based on a net marketing
business volume of \$49.1 billion

Figure 6

Relative Importance of Major Farm Supplies Handled by Cooperatives, 1988



Percent based on a net farm supply business volume of \$15.4 billion

An estimated 70.1 percent of the 4,937 cooperatives, or 3,463 cooperatives, marketed farm products (table 7). Farm supplies were handled by 3,778 cooperatives, 76.5 percent of the total, while 3,705 cooperatives, or 75 percent of the total, performed one or more services related to farm product marketing and farm supply purchasing.

The 1987 estimated volume of farm products marketed and farm supplies sold by cooperatives is shown by State in table 8.

Net Income

Total net income, less losses, for all cooperatives was \$1,680 million, including intercooperative dividends and refunds (fig. 7). No net income is included for those cooperatives operating strictly on a pooling basis. As shown in table 9, net income was up 13 percent from the previous year's total of \$1,486 million. Net income in 1987 was the highest since 1980. Net income from other cooperatives of \$148 million was up 135 percent from \$63 million.

Marketing cooperatives' net income of \$1,220 million was up 10 percent from the \$1,109 million generated in 1987 (table 10). Cooperatives primarily handling grains and milk and milk products accounted for the largest percent of marketing cooperatives' net income (63.8 percent). Grain cooperatives accounted for 41.7 percent and dairy 22.1 percent.

Farm supply cooperatives, for the second year in a row, experienced the greatest change in net income, registering a \$434.1-million net compared with \$351.3 million in 1987. Farm supply cooperatives suffered a \$66.4-million loss in 1986. Income from farm supply cooperatives own operations totaled \$362.6 million compared with \$326.3 million in 1987. Income from other cooperatives, however, was \$71.5 million, up from \$25.0 million.

Farmer cooperatives' net income from operations totaled \$1,531.6 million--up 7.6 percent from 1,423.1 million. More than 8.8 percent, or \$148 million, of total net income was generated from other cooperatives. Marketing cooperatives' net income from other cooperatives increased from 3.3 percent to 6.2 percent of the total. Grain cooperatives' net income from other cooperatives amounted to \$33.8 million compared to a \$16.4-million loss due largely to equity writeoffs resulting from federated cooperative losses in 1987.

Net income before losses equaled \$1.84 billion. Losses from an estimated 364 cooperatives totaled \$164.7 million compared with nearly \$87 million in 1987. Losses for 1988 would have been less than 1987 had it not been for the one-time loss writeoff from the sale of a refinery by two regional cooperatives.

Table 7—Cooperative business volume by commodity, 1988 1/

Commodity	Cooperatives handling		Gross volume (includes inter-cooperative business)		Net volume (excludes inter-cooperative business)	
	No.	Pct. 2/	Mil. dol.	Pct.	Mil. dol.	Pct.
Products marketed:						
Beans and peas (dry edible)	55	1.1	143.8	0.2	142.1	0.2
Cotton	368	7.5	2,109.6	2.6	1,876.4	2.8
Dairy	263	5.3	19,320.2	23.5	17,792.7	26.8
Fruits and vegetables	306	6.2	7,047.1	8.6	6,604.0	9.9
Grain and oilseeds excluding cottonseed	2,050	41.5	16,647.3	20.3	12,628.5	19.0
Livestock	318	6.4	3,784.3	4.6	3,338.5	5.0
Nuts	38	.8	793.9	1.0	793.9	1.2
Poultry	43	.9	1,182.4	1.4	1,027.8	1.6
Rice	56	1.1	787.5	1.0	787.5	1.2
Sugar	38	.8	2,042.0	2.5	1,871.5	2.8
Tobacco	33	.7	747.7	.9	747.7	1.1
Wool and mohair	155	3.1	49.7	.1	24.9	3/
Miscellaneous 4/	120	2.4	1,548.9	1.9	1,431.3	2.2
Total farm products	5/ 3,463	70.1	56,204.4	68.4	49,066.9	73.9
Supplies purchased:						
Building materials	1,790	36.2	483.7	.6	384.5	.6
Containers and packaging supplies	505	10.2	313.2	.4	143.9	.2
Farm chemicals	2,907	58.9	2,263.6	2.8	1,339.2	2.0
Farm machinery and equipment	1,605	32.5	435.5	.5	285.4	.4
Feed	2,829	57.3	5,465.0	6.7	3,807.0	5.7
Fertilizer	2,899	58.7	5,344.3	6.5	2,976.8	4.5
Meats and groceries	350	7.1	119.4	.1	119.2	.2
Petroleum	2,313	46.8	7,071.2	8.6	4,416.1	6.7
Seed	2,907	58.9	717.9	.9	540.0	.8
Other supplies 6/	3,363	68.1	1,779.7	2.2	1,412.3	2.1
Total farm supplies	5/ 3,778	76.5	23,993.4	29.2	15,424.4	23.2
Services provided:						
Trucking, cotton ginning, storage, grinding, locker plants, misc.	5/ 3,705	75.0	7/ 1,939.1	2.4 7/ 1,939.1	2.9	
Total business	5/ 4,937	100.0	82,136.9	100.0	66,430.4	100.0

Footnotes to Table 7

1/ Totals may not add due to rounding.

2/ Number of cooperatives handling each commodity group is computed as a percentage of the 4,937 cooperatives.

3/ Less than .05 percent.

4/ Includes coffee, fish, forest products, hay, hops, seed marketed for growers, nursery stock, other farm products not separately classified, and sales of farm products not received directly from member-patrons. Also includes manufactured food products and resale items marketed by cooperatives.

5/ Because many cooperatives do more than one type of business, these totals are fewer than the number obtained by adding the number of cooperatives handling individual items or performing individual services.

6/ Includes plant equipment, automotive supplies, hardware, chicks, and other supplies not separately classified.

7/ Charges for services related to marketing or purchasing but not included in the volume reported for those activities.

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>BEANS AND PEAS, DRY EDIBLE</u>			<u>DAIRY (Continued)</u>		
California	45,437	45,136	Maine	25,477	23,445
Colorado	12,884	9,686	Maryland	226,843	221,948
Idaho	4,948	4,441	Massachusetts	156,630	147,691
Michigan	54,448	31,424	Michigan	552,444	551,035
North Dakota	8,124	4,203	Minnesota	1,886,831	1,463,347
Washington	9,696	9,445	Mississippi	87,640	85,230
Other States	<u>24,310</u>	<u>23,405</u>	Missouri	629,905	590,208
United States	159,847	127,740	Montana	26,078	26,024
			Nebraska	173,910	173,368
<u>COTTON</u>			New Hampshire	23,880	20,833
Alabama	13,123	13,123	New Jersey	29,692	28,533
Arizona	114,693	114,693	New York	1,097,921	902,660
Arkansas	79,491	77,542	North Carolina	176,168	171,830
California	586,093	505,160	North Dakota	99,606	85,391
Louisiana	64,902	56,374	Ohio	806,468	806,458
Mississippi	249,081	236,246	Oklahoma	183,205	176,701
New Mexico	11,430	10,654	Oregon	201,416	160,829
Oklahoma	76,955	69,172	Pennsylvania	838,413	820,594
Tennessee	11,583	10,989	South Carolina	69,996	68,943
Texas	494,007	427,424	South Dakota	176,451	127,463
Other States	<u>22,263</u>	<u>21,180</u>	Tennessee	185,089	179,304
United States	1,723,619	1,542,556	Texas	576,023	557,597
			Utah	148,499	141,872
<u>DAIRY</u>			Vermont	265,006	250,947
Arkansas	125,815	121,479	Virginia	359,190	352,093
California	1,718,981	1,541,281	Washington	329,745	328,459
Colorado	170,965	170,532	West Virginia	24,099	23,619
Delaware	22,197	22,132	Wisconsin	3,291,386	3,125,427
Florida	292,384	292,384	Other States	<u>348,284</u>	<u>336,200</u>
Georgia	143,269	138,837	United States	18,115,112	16,548,290
Idaho	151,033	136,512	<u>FRUITS AND VEGETABLES</u>		
Illinois	869,692	647,580	Arizona	109,582	109,582
Indiana	234,770	223,334	Arkansas	9,562	9,562
Iowa	774,719	731,866	California	2,800,035	2,757,944
Kansas	220,839	217,587	Colorado	35,908	21,447
Kentucky	243,712	225,684	Florida	1,036,328	717,917
Louisiana	150,440	149,334	Georgia	37,020	18,740

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>					
<u>FRUITS AND VEGETABLES</u> (Continued)			<u>GRAINS AND OILSEEDS EXCLUDING COTTONSEED</u> (Continued)		
Hawaii	15,575	15,575	Kentucky	62,831	19,457
Illinois	2,913	2,913	Louisiana	23,370	23,331
Indiana	35,271	21,445	Maryland	80,121	27,109
Kentucky	1,228	969	Michigan	127,520	94,141
Maine	18,855	18,855	Minnesota	1,553,371	1,052,229
Michigan	270,113	178,436	Mississippi	81,124	81,124
Minnesota	8,581	8,581	Missouri	272,066	264,264
Missouri	9,512	9,512	Montana	141,010	95,452
New Jersey	129,158	129,158	Nebraska	658,687	658,453
New York	182,007	150,931	New Jersey	2,660	2,660
North Carolina	5,281	3,677	New York	30,532	30,532
Ohio	37,199	37,199	North Dakota	1,450,072	1,081,493
Oklahoma	957	957	Ohio	1,002,459	646,831
Oregon	323,945	320,091	Oklahoma	1,132,498	240,640
Pennsylvania	314,457	298,041	Oregon	97,025	85,635
South Carolina	14,133	7,158	Pennsylvania	23,584	23,584
Tennessee	234	40	South Dakota	473,002	347,330
Texas	12,372	6,710	Tennessee	16,819	16,819
Utah	10,325	2,493	Texas	280,083	279,325
Virginia	1,950	1,637	Utah	4,691	4,166
Washington	614,561	560,111	Washington	301,691	267,522
Wisconsin	224,577	221,444	Wisconsin	83,846	61,060
Other States	469,448	461,678	Wyoming	2,251	2,251
Foreign 3/	25,293	20,797	Other States	151,203	151,203
United States	6,756,382	6,113,602	United States	13,066,824	10,058,628
<u>GRAINS AND OILSEEDS EXCLUDING COTTONSEED</u>					
<u>LIVESTOCK</u>					
Alabama	78,347	55,966	Alabama	15,684	15,684
Arkansas	85,416	85,416	Arkansas	4,250	4,250
California	17,877	17,877	Colorado	52,675	52,674
Colorado	135,191	135,191	Idaho	11,888	11,811
Idaho	82,589	72,618	Illinois	275,046	261,541
Illinois	1,337,458	1,284,043	Indiana	91,018	91,018
Indiana	688,701	467,013	Iowa	669,791	668,037
Iowa	1,678,706	1,474,391	Kansas	26,414	26,361
Kansas	910,022	909,502	Kentucky	37,272	37,272

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
 (Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>LIVESTOCK</u> (Continued)			<u>POULTRY</u> (Continued)		
Michigan	369,531	366,830	Wisconsin	20,159	20,159
Minnesota	320,580	236,482	Other States	<u>549,663</u>	<u>524,931</u>
Mississippi	73,508	73,508	United States	1,297,050	1,146,247
Missouri	225,741	225,547			
Montana	5,834	5,549	<u>RICE</u>		
Nebraska	356,787	355,579	Arkansas	385,585	385,585
New York	59,334	59,334	California	197,744	197,744
North Dakota	22,316	17,076	Louisiana	37,367	37,367
Pennsylvania	6,432	6,432	Mississippi	23,217	23,217
South Dakota	26,511	24,938	Texas	191,240	191,240
Tennessee	4,902	4,902	Other States	<u>12,556</u>	<u>12,556</u>
Virginia	6,809	6,809	United States	847,707	847,707
Wisconsin	441,924	184,234			
Other States	<u>422,495</u>	<u>422,495</u>	<u>SUGAR</u>		
United States	3,526,742	3,158,439	California	633,443	628,572
<u>NUTS</u>			Florida	158,104	158,104
California	587,980	587,980	Idaho	122,032	71,011
Georgia	137,851	137,851	Louisiana	109,997	109,997
Hawaii	2,620	2,620	Minnesota	379,448	332,865
North Carolina	32,961	32,961	Montana	36,259	36,259
Oklahoma	16,240	16,240	Nebraska	14,746	9,745
Oregon	5,753	5,753	North Dakota	195,746	170,286
Texas	22,175	22,175	Texas	40,114	40,114
Virginia	34,900	34,900	Wyoming	4,863	4,863
Other States	<u>100,526</u>	<u>100,526</u>	Other States	201,886	150,903
United States	941,008	941,008	Foreign 3/	<u>1,359</u>	<u>1,359</u>
			United States	1,897,996	1,714,077
<u>POULTRY</u>			<u>TOBACCO</u>		
California	57,218	57,218	Kentucky	229,998	229,998
Georgia	329,415	329,415	North Carolina	200,313	200,313
Indiana	103	103	Ohio	28,329	28,329
Iowa	14,728	14,728	Tennessee	49,739	49,739
Minnesota	144,423	90,737	Virginia	37,039	37,039
Utah	108,980	36,594	Other States	<u>62,299</u>	<u>62,299</u>
Virginia	72,360	72,360	United States	607,719	607,719

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
 (Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
WOOL AND MOHAIR			MISCELLANEOUS MARKETING (Continued)		
California	4,484	2,270	Washington	46,508	46,508
Colorado	88	87	Other States	418,856	418,856
Idaho	452	452	Foreign 3/	332,127	332,127
Iowa	3,323	1,156	United States	1,327,545	1,327,130
Minnesota	5,793	905			
Montana	1,539	1,539	TOTAL FARM PRODUCTS MARKETED		
New York	177	177	Alabama	445,683	421,780
North Dakota	106	106	Arizona	418,056	417,948
Ohio	1,800	802	Arkansas	836,710	830,425
Oklahoma	890	671	California	6,770,267	6,462,155
Pennsylvania	441	441	Colorado	493,350	435,249
South Dakota	12,121	5,800	Connecticut	80,426	70,777
Utah	3,873	1,769	Delaware	39,522	39,457
Virginia	514	413	Florida	1,676,011	1,357,184
Washington	70	70	Georgia	789,400	766,688
West Virginia	275	275	Hawaii	77,896	71,919
Wisconsin	1,693	493	Idaho	528,893	452,872
Wyoming	1,984	1,984	Illinois	2,497,818	2,208,783
Other States	<u>7,807</u>	<u>3,232</u>	Indiana	1,095,776	848,623
United States	47,429	22,640	Iowa	3,404,975	3,128,374
MISCELLANEOUS MARKETING 4/			Kansas	1,178,119	1,168,049
California	74,486	74,486	Kentucky	575,610	513,781
Florida	5,486	5,071	Louisiana	387,075	377,403
Hawaii	6,954	6,954	Maine	54,552	52,520
Illinois	12,563	12,563	Maryland	308,468	250,560
Indiana	43,162	43,162	Massachusetts	426,209	417,270
Iowa	245,747	245,747	Michigan	1,463,426	1,310,679
Kansas	924	924	Minnesota	4,338,428	3,223,944
Michigan	80,446	80,446	Mississippi	518,856	503,612
Minnesota	38,517	38,517	Missouri	1,178,011	1,129,067
Mississippi	3,085	3,085	Montana	216,121	170,223
North Dakota	700	700	Nebraska	1,278,870	1,257,293
Ohio	42	42	Nevada	2,370	2,370
Oregon	14,879	14,879	New Hampshire	25,082	22,034
Texas	3,060	3,060	New Jersey	170,749	169,590
			New Mexico	31,474	30,698

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
 (Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
TOTAL FARM PRODUCTS MARKETED			BUILDING MATERIALS (Continued)		
(Continued)					
New York	1,484,287	1,257,951	Idaho	4,100	4,041
North Carolina	510,324	504,381	Illinois	24,294	17,547
North Dakota	1,786,582	1,369,168	Indiana	22,908	19,872
Ohio	2,028,507	1,671,871	Iowa	48,163	43,871
Oklahoma	1,451,836	545,473	Kansas	17,121	13,419
Oregon	731,931	663,433	Kentucky	11,706	8,159
Pennsylvania	1,234,338	1,200,103	Louisiana	2,246	1,496
South Carolina	125,032	117,004	Maine	6,512	4,696
South Dakota	697,881	515,327	Maryland	6,894	4,489
Tennessee	269,553	262,980	Massachusetts	4,701	3,188
Texas	1,680,016	1,588,586	Michigan	13,824	13,213
Utah	305,511	216,037	Minnesota	19,209	17,953
Vermont	275,805	261,747	Mississippi	7,527	4,675
Virginia	561,381	553,870	Missouri	19,224	13,881
Washington	1,303,563	1,213,407	Montana	2,882	2,828
West Virginia	74,610	74,130	Nebraska	11,809	8,856
Wisconsin	4,097,502	3,646,434	New Jersey	7,991	5,263
Wyoming	12,436	12,388	New York	35,776	24,151
Other States	16,897	15,882	North Carolina	6,094	2,543
Foreign 3/	<u>358,778</u>	<u>354,283</u>	North Dakota	23,149	22,751
United States	50,314,978	44,155,785	Ohio	9,897	8,071
			Oklahoma	6,018	4,637
			Oregon	4,908	4,823
			Pennsylvania	25,454	16,669
			South Dakota	11,432	10,526
Alabama	5,393	5,107	Tennessee	30,933	16,069
Arizona	1,693	645	Texas	5,243	3,691
Arkansas	6,386	5,746	Utah	211	207
California	3,370	2,510	Virginia	19,666	13,563
Colorado	4,570	2,623	Washington	3,563	2,954
Connecticut	5,159	3,344	West Virginia	4,446	3,377
Delaware	2,062	1,359	Wisconsin	8,125	6,978
Florida	8,513	6,470	Wyoming	703	584
Georgia	8,396	7,505	Other States	10,219	7,151
Hawaii	1,148	800	Foreign 3/	<u>55</u>	<u>3</u>
			United States	483,693	372,306

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
 (Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>CONTAINERS AND PACKAGING SUPPLIES</u>			<u>CONTAINERS AND PACKAGING SUPPLIES</u>		
			(Continued)		
Alabama	8,301	8,301	Wisconsin	1,769	1,664
Arkansas	1,242	1,242	Other States	7,802	1,170
California	73,188	24,551	Foreign <u>3/</u>	105	105
Colorado	1,087	1,087	United States	350,180	167,522
Delaware	119	119			
Florida	148,344	46,752			
Georgia	7,520	7,520			
Hawaii	841	841			
Idaho	194	194			
Illinois	2,057	2,057			
Iowa	1,259	1,259			
Kansas	163	163			
Kentucky	69	69			
Louisiana	487	487			
Maine	3,577	3,577			
Massachusetts	306	306			
Michigan	4,533	3,826			
Minnesota	2,998	2,823			
Mississippi	1,386	1,384			
Montana	299	299			
Nebraska	279	240			
New Jersey	5,836	5,836			
New Mexico	497	497			
New York	3,967	3,967			
North Carolina	1,906	1,906			
North Dakota	1,169	1,169			
Ohio	2,155	2,155			
Oklahoma	2,305	1,207			
Oregon	7,489	7,447			
Pennsylvania	2,528	2,528			
South Dakota	120	120			
Tennessee	947	848			
Texas	22,143	16,489			
Utah	1,974	1,737			
Vermont	969	969			
Virginia	133	133			
Washington	28,115	10,477	North Carolina	10,508	4,066

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
FARM CHEMICALS (Continued)			FARM MACHINERY AND EQUIPMENT (Continued)		
North Dakota	44,623	41,164	Mississippi	4,166	3,235
Ohio	86,015	57,320	Missouri	15,600	12,204
Oklahoma	20,188	8,175	Montana	4,924	1,423
Oregon	16,328	15,594	Nebraska	12,028	8,261
Pennsylvania	31,915	19,477	New Jersey	7,252	5,071
South Dakota	46,394	25,607	New Mexico	1,086	234
Tennessee	65,486	36,640	New York	38,159	27,265
Texas	58,883	38,402	North Carolina	4,433	2,227
Utah	5,985	5,002	North Dakota	21,296	14,223
Virginia	24,031	14,913	Ohio	18,638	11,972
Washington	37,968	16,127	Oklahoma	4,870	3,401
West Virginia	3,810	2,563	Oregon	11,290	9,127
Wisconsin	92,388	40,277	Pennsylvania	21,822	13,530
Wyoming	3,732	1,281	South Dakota	13,793	9,617
Other States	38,678	29,846	Tennessee	14,984	8,577
Foreign 3/	554	103	Texas	7,757	4,585
United States	2,274,863	1,291,242	Utah	1,153	914
FARM MACHINERY AND EQUIPMENT			Virginia	9,724	8,168
Alabama	5,742	5,685	Washington	11,088	6,774
Arkansas	14,511	6,955	West Virginia	4,255	4,173
California	14,170	7,429	Wisconsin	25,244	15,652
Colorado	3,028	1,697	Wyoming	769	290
Delaware	1,450	1,178	Other States	29,507	23,824
Florida	6,400	6,347	Foreign	60	5
Hawaii	739	605	United States	483,677	315,976
Idaho	5,626	3,529	FEED		
Illinois	40,457	18,021	Alabama	85,642	69,596
Indiana	6,458	5,116	Arizona	6,431	3,320
Iowa	23,500	14,241	Arkansas	64,449	38,813
Kansas	15,635	11,698	California	121,154	107,125
Kentucky	8,191	7,896	Colorado	40,440	25,236
Louisiana	5,375	2,411	Connecticut	50,536	40,313
Maryland	4,850	4,411	Delaware	9,763	6,703
Massachusetts	4,055	2,846	Florida	74,245	67,862
Michigan	5,612	4,304	Hawaii	3,660	3,660
Minnesota	33,978	16,858			

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>FEED</u> (Continued)			<u>FERTILIZER</u>		
Idaho	10,859	6,702	Alabama	106,584	63,647
Illinois	156,542	102,647	Arizona	862	79
Indiana	129,061	77,030	Arkansas	69,312	55,063
Iowa	797,367	553,175	California	64,306	55,607
Kansas	154,257	101,349	Colorado	43,691	28,896
Kentucky	52,226	39,214	Connecticut	8,850	5,382
Louisiana	30,612	17,362	Delaware	6,478	4,988
Maine	27,769	17,546	Florida	98,451	38,805
Maryland	39,065	30,231	Hawaii	2,599	1,925
Massachusetts	38,227	29,708	Idaho	27,133	20,914
Michigan	54,051	41,136	Illinois	506,287	255,475
Minnesota	355,605	191,748	Indiana	227,523	131,203
Mississippi	63,061	41,036	Iowa	627,107	326,964
Missouri	135,897	98,022	Kansas	166,283	119,580
Montana	33,844	10,011	Kentucky	68,398	40,528
Nebraska	153,227	86,475	Louisiana	82,890	35,487
New Jersey	37,628	22,231	Maine	10,897	7,430
New Mexico	2,448	1,986	Maryland	22,789	17,426
New York	237,922	175,500	Massachusetts	8,155	5,266
North Carolina	21,158	14,009	Michigan	41,666	31,800
North Dakota	65,910	22,625	Minnesota	535,514	235,859
Ohio	141,725	104,911	Mississippi	127,179	78,654
Oklahoma	51,255	31,524	Missouri	149,744	117,351
Oregon	35,424	30,834	Montana	33,327	23,043
Pennsylvania	132,661	83,171	Nebraska	205,616	131,259
South Carolina	33,300	30,532	New Jersey	15,397	10,141
South Dakota	114,571	57,942	New Mexico	1,801	1,392
Tennessee	159,762	86,842	New York	76,276	51,722
Texas	64,913	42,041	North Carolina	14,537	9,719
Utah	47,890	47,444	North Dakota	157,720	102,163
Virginia	86,597	73,665	Ohio	172,125	100,823
Washington	24,885	19,423	Oklahoma	67,410	49,979
West Virginia	16,302	12,679	Oregon	31,201	24,549
Wisconsin	259,577	186,145	Pennsylvania	47,431	30,618
Wyoming	5,820	3,550	South Carolina	17,175	12,690
Other States	158,488	133,635	South Dakota	90,932	68,687
Foreign 3/	2,043	64	Tennessee	170,276	84,829
United States	4,388,270	2,986,775	Texas	131,107	79,508

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>FERTILIZER</u> (Continued)			<u>MEATS AND GROCERIES</u> (Continued)		
Utah	10,595	9,908	Washington	508	508
Virginia	48,426	39,727	Wisconsin	36,359	36,359
Washington	39,844	29,350	Other States	3,817	3,817
West Virginia	9,575	7,136	Foreign 3/	3,706	2,965
Wisconsin	252,068	128,503	United States	131,350	130,114
Wyoming	6,062	3,613			
Other States	68,706	47,318	<u>PETROLEUM</u>		
Foreign 3/	39,983	6,760	Alabama	2,520	2,267
United States	4,710,290	2,731,765	Arizona	1,347	1,063
<u>MEATS AND GROCERIES</u>			Arkansas	98,659	54,968
Alabama	42	42	California	25,786	7,033
Arkansas	3,795	3,795	Colorado	104,665	66,687
California	5,903	5,903	Delaware	26,860	20,475
Colorado	784	784	Florida	7,711	6,091
Idaho	37	37	Hawaii	1,006	759
Illinois	251	251	Idaho	76,211	39,975
Indiana	482	482	Illinois	457,294	246,868
Iowa	4,181	3,786	Indiana	250,389	188,513
Kansas	6,094	6,094	Iowa	718,956	375,505
Louisiana	324	324	Kansas	686,473	210,473
Michigan	5,531	5,531	Kentucky	75,131	51,353
Minnesota	12,954	12,855	Louisiana	11,787	4,902
Missouri	15,118	15,118	Maine	40,822	38,668
Montana	1,439	1,439	Maryland	85,796	61,968
Nebraska	18,431	18,431	Massachusetts	32,899	29,655
New York	164	164	Michigan	59,647	46,847
North Dakota	3,656	3,656	Minnesota	518,652	285,224
Ohio	3,617	3,617	Mississippi	17,791	13,086
Oklahoma	56	56	Missouri	305,787	211,727
South Dakota	561	561	Montana	118,795	53,164
Texas	470	470	Nebraska	395,705	228,455
Utah	53	53	New Jersey	55,468	50,648
Virginia	3,014	3,014	New Mexico	1,828	771
			New York	476,912	374,293

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>PETROLEUM</u> (Continued)			<u>SEED</u> (Continued)		
North Dakota	283,402	155,388	Massachusetts	3,712	2,390
Ohio	143,316	103,531	Michigan	10,607	8,833
Oklahoma	103,572	58,555	Minnesota	44,692	34,261
Oregon	82,528	44,787	Mississippi	29,884	20,068
Pennsylvania	265,718	226,164	Missouri	22,081	20,681
South Dakota	222,881	136,398	Montana	6,359	2,580
Tennessee	54,603	30,890	Nebraska	9,108	8,209
Texas	122,842	72,260	New Jersey	6,401	4,021
Utah	8,621	4,519	New Mexico	324	324
Virginia	97,943	70,882	New York	28,076	19,352
Washington	110,891	55,218	North Carolina	5,339	3,237
West Virginia	17,598	12,059	North Dakota	29,342	22,042
Wisconsin	417,409	249,639	Ohio	35,359	27,277
Wyoming	31,063	21,246	Oklahoma	6,710	6,703
Other States	120,694	103,080	Oregon	8,861	6,585
Foreign 3/	<u>222,301</u>	<u>159,005</u>	South Dakota	12,785	9,264
United States	6,960,279	4,175,061	Texas	22,728	21,756
<u>SEED</u>			Utah	3,459	3,202
Alabama	27,988	18,791	Virginia	18,002	14,197
Arizona	63,584	63,537	Washington	15,706	12,099
Arkansas	13,106	8,222	West Virginia	4,073	3,003
California	16,384	16,384	Wisconsin	29,013	18,499
Colorado	3,036	2,439	Other States	<u>88,688</u>	<u>59,751</u>
Connecticut	3,979	2,393	United States	753,138	576,555
Delaware	2,514	1,849	<u>MISCELLANEOUS SUPPLIES</u> 5/		
Florida	3,873	3,873	Alabama	31,139	29,560
Hawaii	46	46	Arizona	14,950	14,364
Idaho	6,716	4,483	Arkansas	44,424	33,347
Illinois	50,851	32,786	California	27,185	23,904
Indiana	15,476	10,827	Colorado	30,100	25,822
Iowa	42,681	33,958	Connecticut	17,082	10,468
Kansas	12,587	12,587	Delaware	5,072	3,382
Kentucky	16,049	12,526	Florida	18,593	17,339
Louisiana	18,458	12,968	Hawaii	959	927
Maine	6,206	4,620	Idaho	20,997	16,383
Maryland	8,297	5,933	Illinois	59,089	44,544

Continued

Table 8—Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>				<u>1,000 dollars</u>	
<u>MISCELLANEOUS SUPPLIES</u> (Continued)			<u>TOTAL SUPPLIES</u>		
Indiana	34,975	20,799	Alabama	329,370	226,370
Iowa	101,624	87,386	Arizona	97,015	84,041
Kansas	81,188	70,624	Arkansas	374,466	241,763
Kentucky	24,495	18,998	California	390,968	281,434
Louisiana	23,311	16,509	Colorado	251,211	164,924
Maine	16,438	9,825	Connecticut	128,929	99,068
Maryland	16,842	12,592	Delaware	57,986	42,829
Massachusetts	14,922	9,410	Florida	382,069	208,997
Michigan	37,490	30,783	Hawaii	12,940	11,036
Minnesota	170,027	115,094	Idaho	178,686	106,033
Mississippi	40,820	27,261	Illinois	1,512,775	852,813
Missouri	71,840	43,835	Indiana	794,048	518,803
Montana	30,759	24,078	Iowa	2,722,600	1,612,332
Nebraska	59,009	48,366	Kansas	1,218,709	592,710
Nevada	579	456	Kentucky	276,112	194,278
New Hampshire	5,831	3,626	Louisiana	215,774	115,901
New Jersey	26,250	16,301	Maine	130,270	100,409
New Mexico	1,535	1,442	Maryland	196,017	145,539
New York	167,086	116,104	Massachusetts	112,271	85,938
North Carolina	13,255	7,965	Michigan	255,554	202,298
North Dakota	76,306	63,406	Minnesota	1,921,756	1,025,884
Ohio	39,325	34,106	Mississippi	380,089	224,075
Oklahoma	34,082	30,139	Missouri	801,156	584,168
Oregon	26,313	22,457	Montana	254,645	126,560
South Dakota	58,766	50,317	Nebraska	981,005	604,852
Texas	61,341	56,911	Nevada	2,517	1,938
Utah	15,896	14,952	New Hampshire	44,807	33,417
Virginia	64,501	43,268	New Jersey	172,443	125,871
Washington	39,276	29,381	New Mexico	10,534	7,347
West Virginia	9,477	7,882	New York	1,125,251	827,111
Wisconsin	119,955	104,456	North Carolina	97,410	57,868
Other States	244,905	163,887	North Dakota	706,574	448,588
Foreign 3/	2,051	787	Ohio	652,171	453,784
United States	2,000,058	1,523,443	Oklahoma	296,466	194,375
			Oregon	225,292	167,153

Continued

Table 8--Cooperative business volume 1/ by commodity and major State, 1987 2/
(Continued)

Major State	Business volume		Major State	Business volume	
	Gross	Net		Gross	Net
<u>1,000 dollars</u>			<u>1,000 dollars</u>		
<u>TOTAL SUPPLIES</u> (Continued)			<u>SERVICES</u> (Continued)		
Pennsylvania	630,527	455,304	Nebraska	102,775	102,775
South Dakota	572,235	369,039	Nevada	1,236	1,236
Texas	497,428	336,113	New Jersey	4,802	4,802
Utah	95,837	87,938	New Mexico	4,254	4,254
Virginia	372,038	281,530	New York	24,344	24,344
Washington	311,844	182,309	North Carolina	4,247	4,247
West Virginia	69,546	52,883	North Dakota	81,512	81,512
Wisconsin	1,241,908	788,171	Ohio	90,716	90,716
Other States	1,163,686	777,167	Oklahoma	79,003	79,003
Foreign 3/	<u>270,859</u>	<u>169,798</u>	Oregon	29,393	29,393
United States	22,535,798	14,270,759	Pennsylvania	24,459	24,459
<u>SERVICES</u> 6/			South Dakota	37,375	37,375
Alabama	4,502	4,502	Texas	194,336	194,336
Arizona	8,599	8,599	Utah	11,483	11,483
Arkansas	62,350	62,350	Virginia	6,234	6,234
California	136,131	136,131	Washington	101,895	101,895
Colorado	20,161	20,161	West Virginia	1,240	1,240
Delaware	1,004	1,004	Wisconsin	76,457	76,457
Florida	42,190	42,190	Other States	22,090	22,090
Hawaii	6,162	6,162	Foreign 3/	72	72
Idaho	10,282	10,282	United States	1,891,178	1,891,178
Illinois	110,383	110,383	<u>TOTAL</u>		
Indiana	46,420	46,420	Alabama	779,555	652,652
Iowa	173,107	173,107	Arizona	523,670	510,587
Kansas	119,868	119,868	Arkansas	1,273,526	1,134,539
Kentucky	6,449	6,449	California	7,297,366	6,879,720
Louisiana	11,779	11,779	Colorado	764,721	620,333
Maine	2,969	2,969	Connecticut	211,573	172,062
Maryland	7,682	7,682	Delaware	98,512	83,290
Massachusetts	1,696	1,696	Florida	2,100,270	1,608,372
Michigan	32,652	32,652	Hawaii	96,999	89,117
Minnesota	123,181	123,181	Idaho	717,862	569,188
Mississippi	30,038	30,038	Illinois	4,120,975	3,171,979
Missouri	25,343	25,343	Indiana	1,936,245	1,413,846
Montana	10,306	10,306	Iowa	6,300,682	4,913,813

Continued

Table 8--Cooperative business volume 1/
by commodity and major State, 1987 2/
(Continued)

Major State	Business volume	
	Gross	Net
<u>TOTAL</u> (Continued)		
Kansas	2,516,697	1,880,627
Kentucky	858,171	714,507
Louisiana	614,628	505,083
Maine	187,791	155,898
Maryland	512,168	403,782
Massachusetts	540,175	504,904
Michigan	1,751,632	1,545,629
Minnesota	6,383,366	4,373,010
Mississippi	928,984	757,725
Missouri	2,004,511	1,738,579
Montana	481,073	307,089
Nebraska	2,362,650	1,964,920
New Jersey	347,995	300,264
New Mexico	46,262	42,299
New York	2,633,883	2,109,407
North Carolina	611,981	566,496
North Dakota	2,574,668	1,899,268
Ohio	2,771,394	2,216,370
Oklahoma	1,827,306	818,851
Oregon	986,616	859,979
Pennsylvania	1,889,324	1,679,867
South Carolina	192,291	176,951
South Dakota	1,307,493	921,741
Tennessee	915,178	619,229
Texas	2,371,781	2,119,035
Utah	412,831	315,458
Vermont	404,030	354,395
Virginia	939,653	841,633
Washington	1,717,302	1,497,612
West Virginia	145,396	128,253
Wisconsin	5,415,867	4,511,062
Wyoming	70,473	51,403
Other States	1,166,721	1,092,743
Foreign 3/	<u>629,709</u>	<u>524,152</u>
United States	74,741,954	60,317,723

Footnotes to Table 8

1/ Revised. Data covering operations of cooperatives whose business years ended during the 1987 calendar year. Includes independent local cooperatives, federations, centralized regional cooperatives, and cooperatives with mixed organizational structures. The volume of products marketed is allocated to the State in which they originate and the volume of farm supplies is allocated to the State in which they are sold; service volume is allocated to the State of origin when services relate to farm products marketed or to the State of destination when related to farm supplies sold.

2/ Gross business volume includes sales between cooperatives. Net business volume excludes sales between cooperatives. Major States include those where more than two cooperatives handle the commodity or farm supply or where disclosure is not a problem. Totals may not add due to rounding.

3/ Includes value of farm products imported, farm supplies exported, services related to imported farm products or exported farm supplies, sales to domestic military installations, or sales of farm products not received directly from member-patrons.

4/ Includes forest products, hay, hops, nursery stock, fish, coffee, seed marketed for growers, and other farm products not separately classified. Also includes manufactured food products and resale items marketed by cooperatives.

5/ Includes automotive supplies, hardware, chicks, and other supplies not separately classified.

6/ Income from services related to marketing and purchasing activities but not included in the volumes reported for these activities.

Figure 7

Net Income of Farmer Cooperatives

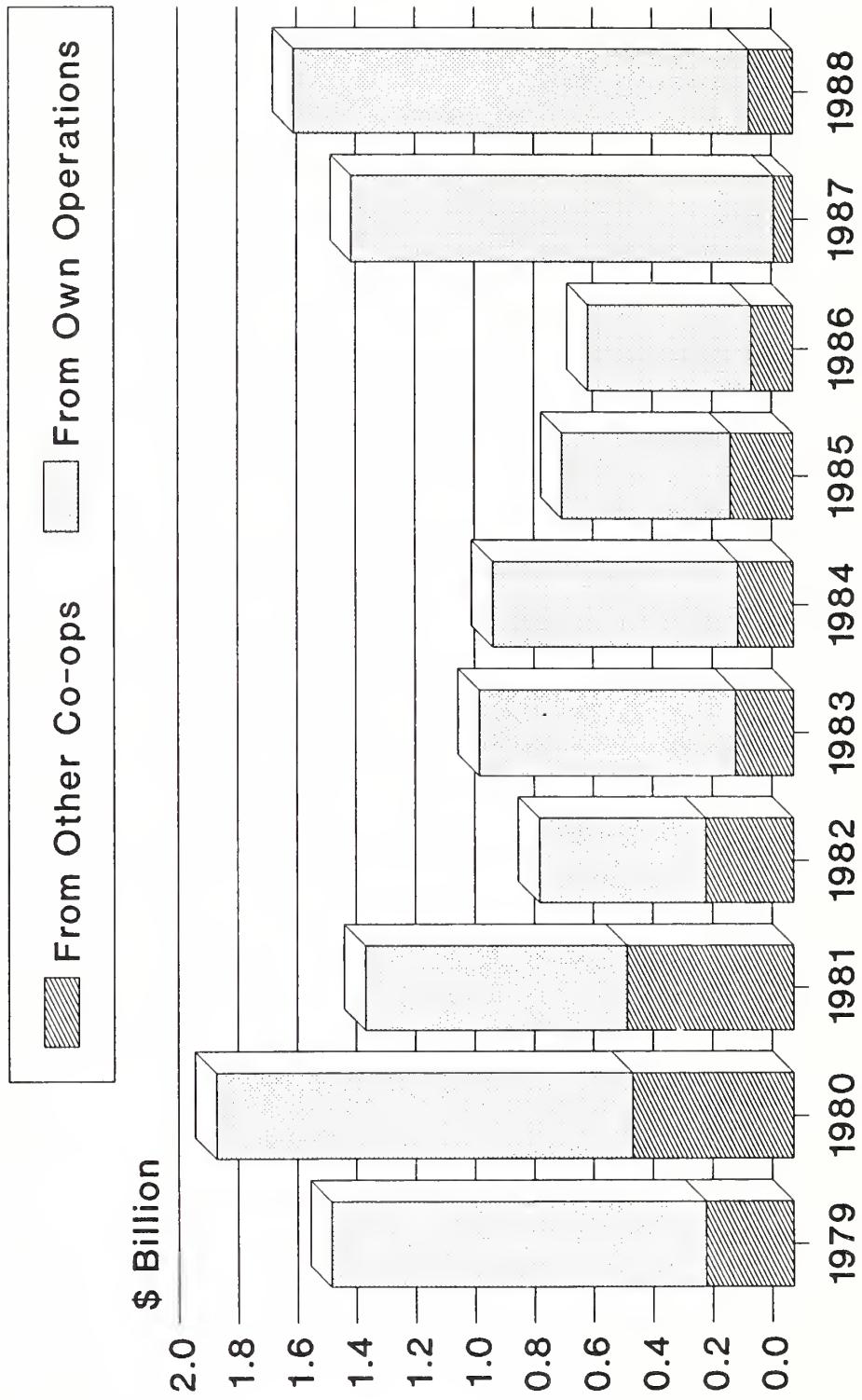


Table 9--Net income of farmer cooperatives, selected years 1/

Year	From other cooperatives	From own operations	Total
<u>Million dollars</u>			
1954	57	275	332
1962	62	464	525
1970	40	438	478
1976	515	1,330	1,844
1977	390	956	1,346
1979	294	1,262	1,556
1980	541	1,403	1,944
1981	558	882	1,440
1982	294	560	854
1983	193	863	1,055
1984	185	824	1,009
1985	210	566	775
1986	140	548	688
1987	63	1,423	1,486
1988	148	1,532	1,680

1/ Data for 1954, 1962, 1970, and 1976 were taken from ACS financial profile studies. These studies did not include all cooperatives. Totals may not add due to rounding. Does not include income from cooperative pooling operations.

Table 10—Farmer cooperative net income, 1988 1/

Principal products marketed and major function	Co-ops <u>2/</u>	Total net income	Income from own operations	Income from other co-ops
	<u>Number</u>	<u>Million dollars</u>		
Products marketed:				
Cotton	361	167.5	154.5	12.9
Dairy	287	269.6	247.4	22.1
Fruits & vegetables	302	179.7	175.7	3.9
Grains and oilseeds excluding cottonseed	1,482	508.8	475.0	33.8
Livestock and poultry	243	53.1	52.3	.8
Rice	48	5.2	3.4	1.8
Sugar	37	19.0	19.0	<u>3/</u>
Other products <u>4/</u>	228	17.0	17.0	<u>3/</u>
Total farm products	2,988	1,219.8	1,144.4	75.4
Total farm supplies	1,836	434.1	362.6	71.5
Total selected services	113	25.7	24.6	1.1
Combined total	4,937	1,679.6	1,531.6	148.0

1/ Number of cooperatives includes cooperatives operating on a pooling rather than net margin basis. Totals may not add due to rounding.

2/ Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.

3/ Less than \$100 thousand.

4/ Includes dry edible beans and peas, nuts, tobacco, wool, and miscellaneous products.

Balance Sheet

Combined assets for all farmer cooperatives totaled \$29.3 billion in 1988, up 5.9 percent from \$27.6 billion for 1987 (table 11 and fig. 8). Assets of cooperatives, excluding intercooperative investments, totaled \$26.5 billion compared with \$24.8 billion, a 6.9-percent increase (table 12).

Total liabilities were \$16.5 billion, up 11.1 percent from the \$14.8 billion reported in 1987. Net worth, or member and patron equity, was \$12.8 billion, the same as in 1987. The proportion of total assets financed by equity decreased from 46.4 to 43.8 percent.

Of the \$29.3 billion in total assets, marketing cooperatives accounted for nearly \$19.5 billion, up 8.2 percent from \$18.0 billion for 1987. Cooperatives whose principal products were grains and oilseeds excluding cottonseed had total assets of \$7.4 billion in 1988 and \$6.3 billion in 1987, a 16.5-percent increase. These cooperatives also maintained the largest proportion of investments in other cooperatives in both 1988 (12.6 percent) and 1987 (13.1 percent).

Assets of marketing cooperatives, excluding investments in other cooperatives, were \$18.0 billion, up from the \$16.6 billion reported in 1987.

Farm supply cooperatives had total assets of nearly \$9.7 billion compared with \$9.4 billion in 1987. Excluding intercooperative investments, assets amounted to \$8.3 billion in 1988, up 3.5 percent from the previous year.

Net worth or member and patron equity for all marketing cooperatives totaled \$8.2 billion, up 3.7 percent from 1987. Marketing cooperatives again maintained more than three-fifths of the total (63.9 percent), while farm supply cooperatives accounted for 35.2 percent. The highest percent of total assets represented by net worth for all marketing cooperatives (50.3 percent) was for cooperatives primarily marketing grains and oilseeds excluding cottonseed. The lowest percent (31.1 percent) was for cooperatives primarily marketing other products. 7/ Cooperatives classified as farm marketing and farm supply had 42.1 and 46.7 percent, respectively.

7/ Includes dry edible beans and peas, nuts, tobacco, wool, and miscellaneous products.

Table 11--Selected balance sheet data for farmer cooperatives, 1988 1/

Principal products marketed and major function	Co-ops 2/	Total assets	Total liabilities	Net worth
	Number	<u>Million dollars</u>		
Products marketed:				
Cotton	361	1,277.0	785.7	491.3
Dairy	287	4,219.6	2,585.5	1,634.2
Fruits & vegetables	302	3,927.4	2,590.6	1,336.8
Grains and oilseeds excluding cottonseed	1,482	7,376.1	3,665.8	3,710.3
Livestock & poultry	243	744.4	425.5	318.9
Rice	48	335.5	209.3	126.2
Sugar	37	848.1	496.5	351.7
Other products 3/	228	733.4	505.2	228.1
Total farm products	2,988	19,461.5	11,264.0	8,197.4
Total farm supplies	1,836	9,663.6	5,148.7	4,514.9
Total selected services	113	161.0	48.4	112.6
Combined total	4,937	29,286.1	16,461.1	12,825.0

1/ Totals may not add due to rounding.

2/ Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.

3/ Includes dry edible beans and peas, nuts, tobacco, wool, and miscellaneous products.

Figure 8

Assets of Farmer Cooperatives

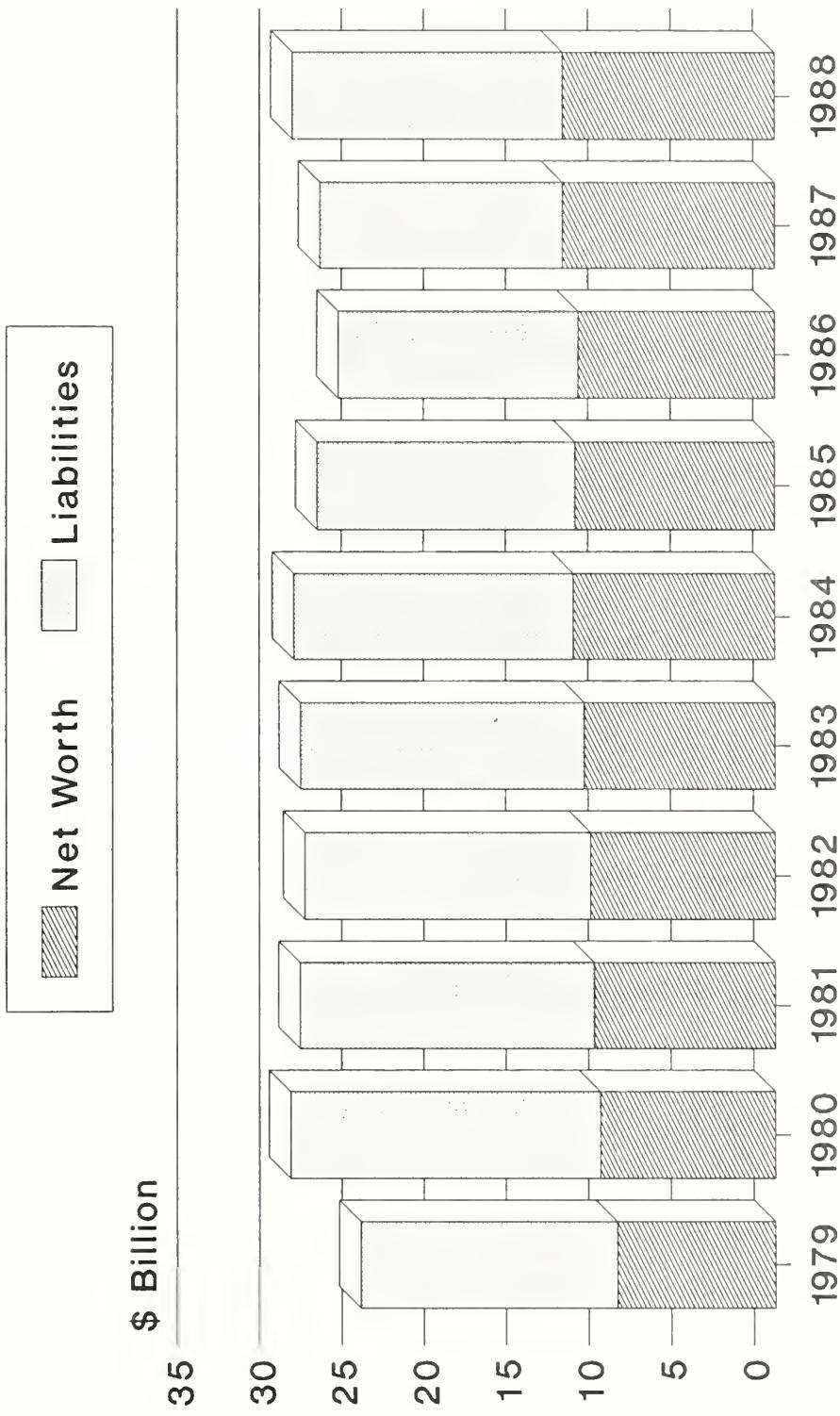


Table 12—Assets of farmer cooperatives, 1988 1/

Principal products marketed and major function	Co-ops 2/	Assets from own operations	Investments in other co-ops	Total assets	Investments in other co-ops as percent of total
		<u>Number</u>	<u>Million dollars</u>		<u>Percent</u>
Products marketed:					
Cotton	361	1,277.0	67.9	1,277.0	5.3
Dairy	287	4,219.6	294.6	4,219.6	7.0
Fruits & vegetables	302	3,927.4	81.5	3,927.4	2.1
Grains and oilseeds excluding cottonseed	1,482	7,376.1	927.7	7,376.1	12.6
Livestock & poultry	243	714.2	30.2	744.4	4.1
Rice	48	329.7	5.7	335.5	1.7
Sugar	37	841.6	6.6	848.1	.8
Other products 3/	228	712.6	12.9	733.4	1.8
Total farm products	2,988	18,034.3	1,427.1	19,461.5	7.3
Total farm supplies	1,836	8,342.0	1,321.6	9,663.6	13.7
Total selected services	113	148.0	12.9	161.0	8.0
Combined total	4,937	26,524.4	2,761.6	29,286.1	9.4

1/ Totals may not add due to rounding.

2/ Many cooperatives are multiproduct and multifunctional in operations and are classified according to predominant commodity or function indicated by business volume.

3/ Includes dry edible beans and peas, nuts, tobacco, wool, and miscellaneous products.

Table 13—Balance sheet data of farmer cooperatives, selected years 1/

Years	Total liabilities	Net worth	Total assets	Investments in other cooperatives	Assets from own operations
<u>Million dollars</u>					
1954	1,437	1,914	3,351	278	3,073
1962	2,266	3,057	5,323	498	4,825
1970	4,527	3,950	8,477	796	7,681
1976	10,827	7,727	18,554	1,586	16,968
1977	10,879	8,061	18,940	2,088	16,852
1979	15,607	9,546	25,153	2,248	22,905
1980	18,825	10,591	29,416	2,490	26,926
1981	17,918	10,922	28,840	2,585	26,255
1982	17,394	11,159	28,553	2,751	25,802
1983	17,275	11,535	28,810	2,946	25,864
1984	17,001	12,181	29,182	2,981	26,201
1985	15,726	12,053	27,779	3,270	24,509
1986	14,601	11,895	26,496	2,857	23,639
1987	14,819	12,824	27,643	2,820	24,823
1988	16,461	12,825	29,286	2,762	26,524

1/ Data for 1954, 1962, 1970, and 1976 were taken from ACS financial profile studies. These studies did not include all cooperatives.

Other Service Organizations

Other types of service cooperatives or organizations were operating in 1988 besides those directly related to marketing and purchasing. Data for these organizations are shown by farm credit district in tables 14 and 15 and by State in table 17. A map showing States in each district appears as figure 9.

Federal Land Bank Associations

Federal Land Bank Associations (FLBAs) totaled 154 as of January 1, 1989 (table 14). Due to a reorganization of the Farm Credit Banks, the number of FLBAs decreased from 232 in 1987. The Texas district had the largest number of FLBAs.

Production Credit Associations

Production credit associations (PCAs) totaled 94, down from 145 in 1987. The St. Paul and Texas districts each had 23. A number of the PCAs merged with FLBAs in the Springfield, Baltimore, and Sacramento districts to form Agricultural Credit Associations.

Agricultural Credit Associations

There were 33 Agricultural Credit Associations (ACAs) as of January 1, 1989. These associations were formed under Section 411 of the Agricultural Credit Act of 1987. Thirty-one of the ACAs were in the Springfield and Baltimore districts.

Farm Credit Banks and Associations

Combined assets of the Farm Credit Banks (excluding the Banks for Cooperatives) and associations totaled \$48.7 billion (table 15). Net worth was \$5 billion, and net loans totaled \$39.7 billion. The St. Paul district had the largest combined assets and net loans. Combined net worth was greatest in the Columbia district.

Net worth financed 15.2 percent of the assets in the Baltimore district, 14.7 percent in the Columbia district, and 14.5 percent in the Springfield district.

Banks for Cooperatives

Assets of the Banks for Cooperatives totaled \$13.1 billion on December 31, 1989 (table 16). This includes the assets of CoBank, which resulted from a merger of the Central Bank for Cooperatives and 10 of 12 district banks for cooperatives. The merger was effective January 1, 1989. The combined net worth of \$985 million financed nearly 7.5 percent of the Bank's combined assets. The combined net loans of the Banks for Cooperatives totaled \$9.9 billion.

Rural Telephone Cooperatives

Rural telephone cooperatives borrowing from the Rural Electrification Administration (REA) totaled 245, with revenues of \$737 million and 1,111,000 subscriber members.

Table 14--Number of Farm Credit System cooperatives, by district, January 1, 1989 1/

Farm Credit District	Federal Land Bank Associations (FLBAs)	Production Credit Associations (PCAs)	Agricultural Credit Associations (ACAs) 2/
Springfield	-	-	13
Baltimore	1	1	18
Columbia	20	1	-
Louisville	9	5	-
Jackson	-	2	-
St. Louis	21	4	-
St. Paul	26	23	-
Omaha	1	1	-
Wichita	15	16	-
Texas	44	23	-
Sacramento	16	16	2
Spokane	1	2	-
United States	154	94	33

- None located in the district.

1/ The Farm Credit Administration issued a charter to the National Bank for Cooperatives which became effective January 1, 1989, as a result of a merger of the Central Bank for Cooperatives and 10 of 12 Banks for Cooperatives. The National Bank for Cooperatives is called CoBank. The Springfield Bank for Cooperatives and the St. Paul Bank for Cooperatives remain independent.

2/ Agricultural Credit Associations (ACAs) were formed by the merger of Production Credit Associations (PCAs) and Federal Land Bank Associations (FLBAs) under Section 411 of the 1987 Act.

Source: Farm Credit Administration Memorandum, Status of FLBA, PCA, and ACA Operational Activity as of January 1, 1989.

Table 15--Farm credit banks and associations combined assets, net worth, and net loans, December 31, 1988 1/

District	Assets	Net worth	Net loans
<u>Million dollars</u>			
Springfield	1,761	255	1,445
Baltimore	3,036	462	2,635
Columbia	5,066	744	3,874
Louisville	3,749	467	3,234
Jackson <u>2/</u>	1,967	(147)	1,614
St. Louis	3,856	429	3,232
St. Paul	7,165	618	5,951
Omaha	4,195	399	3,475
Wichita	3,989	505	3,397
Texas	4,071	526	2,864
Sacramento	6,631	533	5,286
Spokane	<u>3,172</u>	<u>202</u>	<u>2,737</u>
Total	48,658	4,993	39,744

1/ Does not include the Banks for Cooperatives.

2/ The FLB and FLBA were in receivership.

Source: Farm Credit Corporation of America, Summary Report of Condition and Performance of the Farm Credit System: Year Ended December 31, 1988, not dated, page 36.

Table 16--Banks for Cooperatives combined assets, net worth, and net loans, December 31, 1988

Bank for Cooperatives	Assets	Net worth	Net loans
<u>Million dollars</u>			
Springfield	193	37	98
St. Paul	1,153	241	831
CoBank <u>1/</u>	<u>11,903</u>	<u>804</u>	<u>8,932</u>
Total <u>2/</u>	13,150	985	9,861

1/ Pro forma.

2/ Includes interbank elimination entries.

Table 17—Number, participation, and level of activity of service cooperatives by State 1/

State	Rural telephone cooperatives 2/			Rural electric cooperatives 2/		
	Coopera-tives	Members (subscribers)	Revenue	Coopera-tives	Members (consumers)	Revenue
	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>
Alabama	3	20	10	22	344	483
Alaska	7	34	46	13	150	270
Arizona	1	3	4	7	93	242
Arkansas	2	6	3	20	313	671
California	-	-	-	3	12	15
Colorado	5	7	6	24	287	789
Delaware	-	-	-	1	42	35
Florida	-	-	-	15	464	902
Georgia	4	22	11	43	975	1,947
Idaho	3	9	5	9	43	53
Illinois	7	22	14	27	187	415
Indiana	9	26	15	42	332	621
Iowa	32	52	30	50	172	362
Kansas	11	51	39	37	172	398
Kentucky	8	74	38	28	499	1,445
Louisiana	-	-	-	13	256	764
Maine	-	-	-	4	14	10
Maryland	-	-	-	2	116	148
Michigan	-	-	-	14	200	280
Minnesota	19	63	35	50	483	879
Mississippi	-	-	-	22	444	766
Missouri	8	42	26	46	443	1,088

Continued

Table 17—Number, participation, and level of activity of service cooperatives by State 1/ (Continued)

State	Rural telephone cooperatives 2/			Rural electric cooperatives 2/		
	Coopera-tives	Members (subscribers)	Revenue	Coopera-tives	Members (consumers)	Revenue
	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>
Montana	8	33	34	25	95	135
Nebraska	7	12	7	3	8	100
Nevada	-	-	-	3	15	27
New Hampshire	-	-	-	1	6/	6/
New Jersey	-	-	-	1	9	12
New Mexico	5	15	24	17	136	315
New York	-	-	-	4	13	10
North Carolina	9	97	43	29	563	1,234
North Dakota	10	51	32	26	101	814
Ohio	7	7	3	28	256	450
Oklahoma	2	39	31	26	321	525
Oregon	9	32	21	14	98	124
Pennsylvania	-	-	-	13	169	294
South Carolina	6	105	55	22	409	659
South Dakota	14	41	28	34	107	209
Tennessee	7	93	45	20	591	723
Texas	21	99	97	72	822	1,333
Utah	3	7	7	5	22	208
Vermont	-	-	-	3	20	17
Virginia	4	12	7	14	285	610
Washington	-	-	-	8	32	43
West Virginia	2	3	2	1	5	3
Wisconsin	11	33	18	30	176	319
Wyoming	1	1	1	13	66	139
United States	245	1,111	737	904	10,360	20,886

Continued

Table 17—Number, participation, and level of activity of service cooperatives by State 1/ (Continued)

State	Rural credit unions 3/			Dairy herd improvement 4/	
	Coopera-tives	Members	Loans made during year	Members (herds)	Cows tested
	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>	<u>Number</u>	<u>1,000</u>
Alabama	12	18	40	133	19
Alaska	1	15	42	2	5/
Arizona	5	14	22	79	48
Arkansas	4	4	6	152	11
California	75	753	2,416	1,197	573
Colorado	16	18	35	135	26
Connecticut	1	1	1	158	15
Delaware	1	2	7	43	5
Florida	22	89	222	59	25
Georgia	19	28	50	255	37
Hawaii	19	85	366	-	-
Idaho	15	16	30	335	42
Illinois	20	58	116	1,076	67
Indiana	23	43	218	694	46
Iowa	13	8	13	1,297	71
Kansas	31	164	367	570	41
Kentucky	7	27	53	467	34
Louisiana	12	17	25	225	25
Maine	11	22	50	224	15
Maryland	7	42	136	603	51
Massachusetts	10	9	12	196	12
Michigan	30	368	604	1,404	121
Minnesota	42	168	410	4,424	242
Mississippi	7	6	4	167	19
Missouri	10	16	27	687	51

Continued

Table 17--Number, participation, and level of activity of service cooperatives by State 1/ (Continued)

State	Rural credit unions <u>3/</u>			Dairy herd improvement <u>4/</u>	
	Coopera-tives	Members	Loans made during year	Members (herds)	Cows tested
	<u>Number</u>	<u>1,000</u>	<u>Mil. dol.</u>	<u>Number</u>	<u>1,000</u>
Montana	17	55	134	89	9
Nebraska	19	11	23	404	32
Nevada	7	28	83	28	8
New Hampshire	2	2	1	142	10
New Jersey	7	11	14	154	12
New Mexico	4	36	114	28	15
New York	35	141	352	2,358	192
North Carolina	18	29	49	498	63
North Dakota	42	95	319	126	8
Ohio	20	67	65	1,508	103
Oklahoma	5	7	22	220	17
Oregon	13	60	170	372	50
Pennsylvania	24	37	56	3,432	212
Rhode Island	5	49	279	13	1
South Carolina	4	7	26	151	25
South Dakota	10	10	20	220	14
Tennessee	12	36	64	529	53
Texas	40	95	233	485	88
Utah	11	11	23	255	34
Vermont	8	9	14	710	51
Virginia	9	34	75	696	78
Washington	18	129	354	521	85
West Virginia	5	5	5	130	11
Wisconsin	83	446	1,103	6,167	360
Wyoming	2	2	2	-	-
United States	833	3,403	8,872	33,818	3,127

1/ For year ended December 31, 1988. Totals may not add due to rounding.

2/ Source: Rural Electrification Administration, USDA.

3/ Source: Credit Union National Association, Inc. (Includes federally chartered and State-chartered credit unions.)

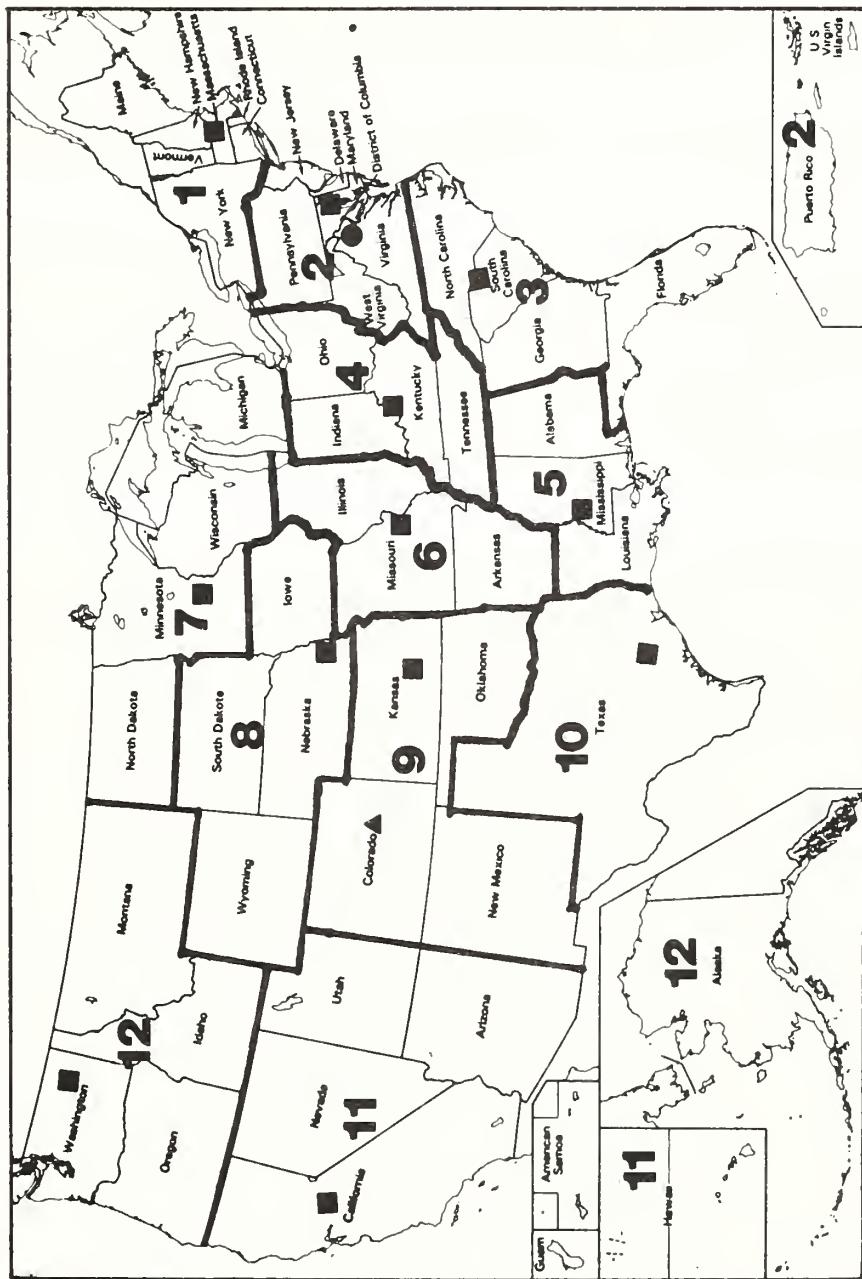
4/ Source: Agricultural Research Service, USDA.

5/ Less than 500.

6/ Data not available.

Figure 9

Cooperative Farm Credit Districts



Iowa again had the largest number of cooperatives (13.1 percent of the total), while South Carolina accounted for more subscriber memberships (9.5 percent) than any other State. Texas again led all States in revenue, with 13.2 percent of the total.

Rural Electric Cooperatives

Rural electric cooperatives, totaling 904, reported 10.4 million consumer members and revenue of nearly \$20.9 billion.

Texas again led all States, with 8 percent of total associations, while Georgia led with the most consumer members (9.4 percent of total) and revenue (9.3 percent of the total).

Rural Credit Unions

Rural credit unions numbering 833 reported 3.4 million members holding share savings of nearly \$8.9 billion.

Wisconsin led all States in number of associations with 10 percent of total, while California led in number of members, with 22.1 percent of the total, and in loans made with 27.2 percent of the total.

Dairy Herd Improvement Associations

Dairy herd improvement memberships numbered 33,818 and cows tested totaled nearly 3.2 million.

New York (2,358), Pennsylvania (3,432), Minnesota (4,424), and Wisconsin (6,167) combined accounted for 48.4 percent of total members. About 573,000, or 18.1 percent, of the cows tested were in California.



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Agricultural Cooperative Service (ACS) provides research, management, and educational assistance to cooperatives to strengthen the economic position of farmers and other rural residents. It works directly with cooperative leaders and Federal and State agencies to improve organization, leadership, and operation of cooperatives and to give guidance to further development.

The agency (1) helps farmers and other rural residents develop cooperatives to obtain supplies and services at lower cost and to get better prices for products they sell; (2) advises rural residents on developing existing resources through cooperative action to enhance rural living; (3) helps cooperatives improve services and operating efficiency; (4) informs members, directors, employees, and the public on how cooperatives work and benefit their members and their communities; and (5) encourages international cooperative programs.

ACS publishes research and educational materials and issues *Farmer Cooperatives* magazine. All programs and activities are conducted on a nondiscriminatory basis, without regard to race, creed, color, sex, age, marital status, handicap, or national origin.